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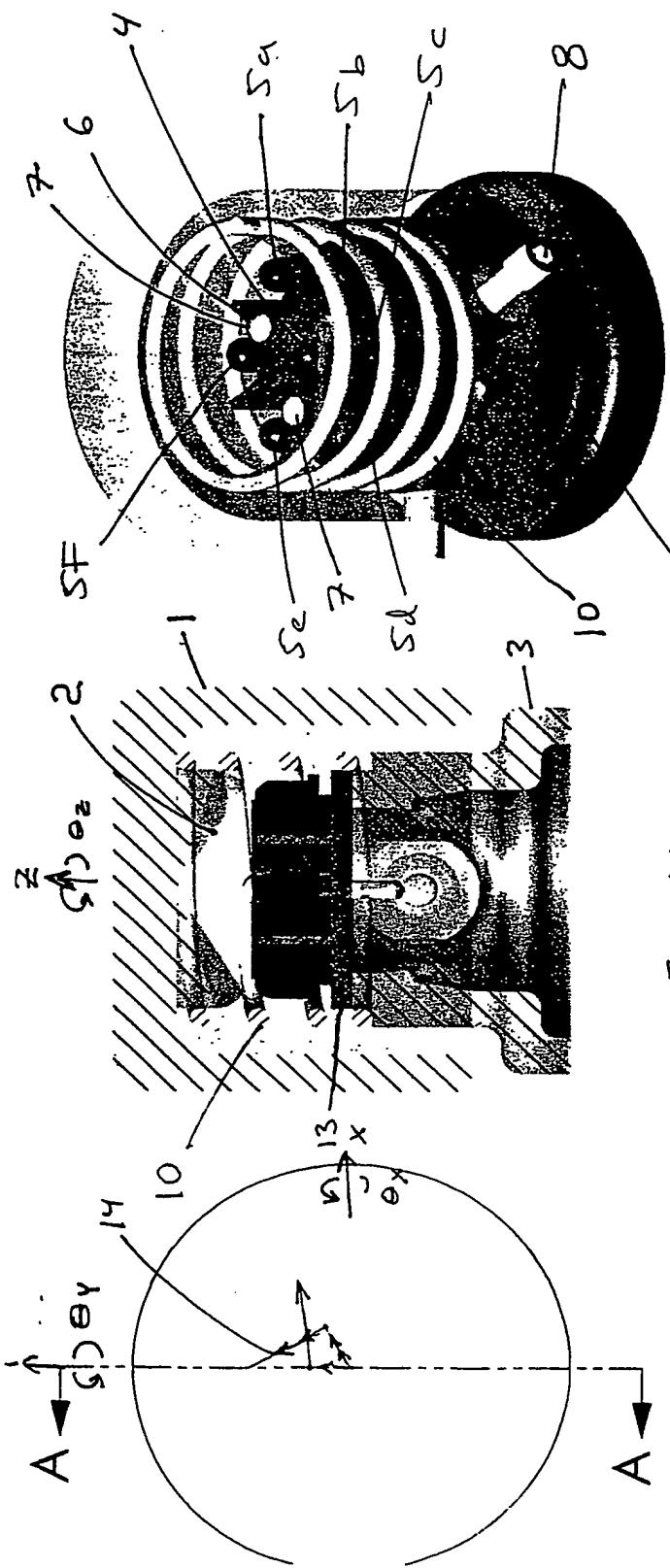


Fig. 1c

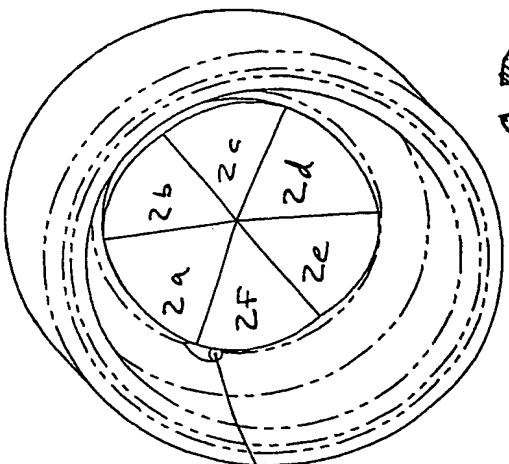


Fig. 2a

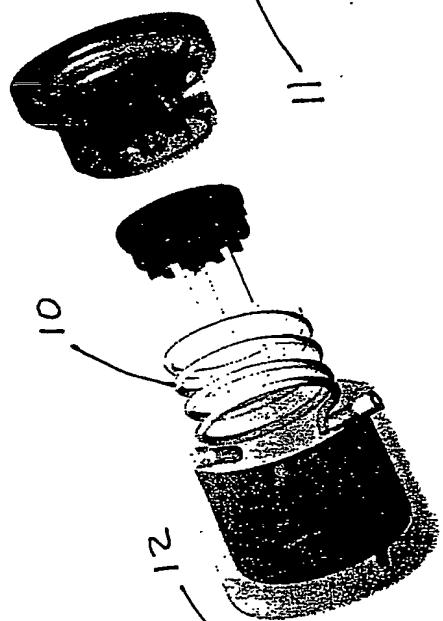


Fig. 1e

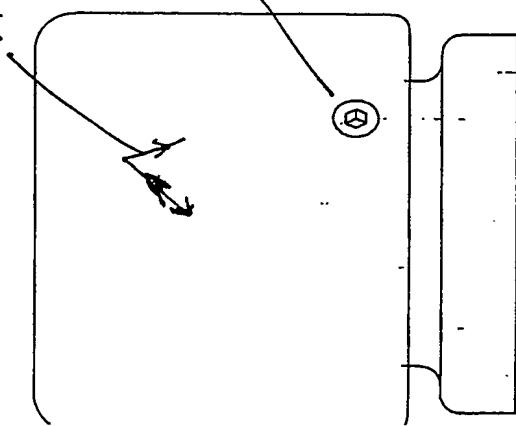
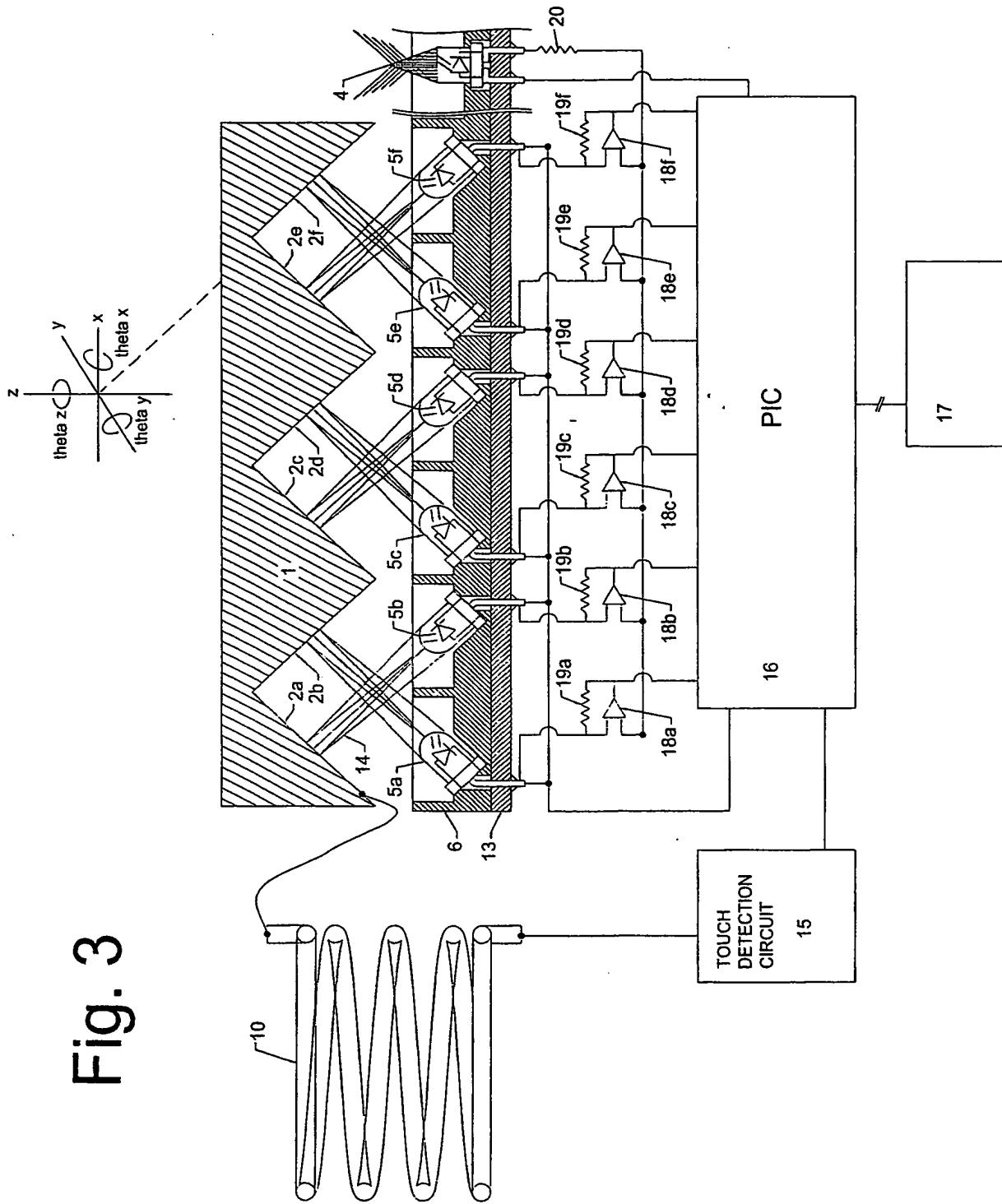
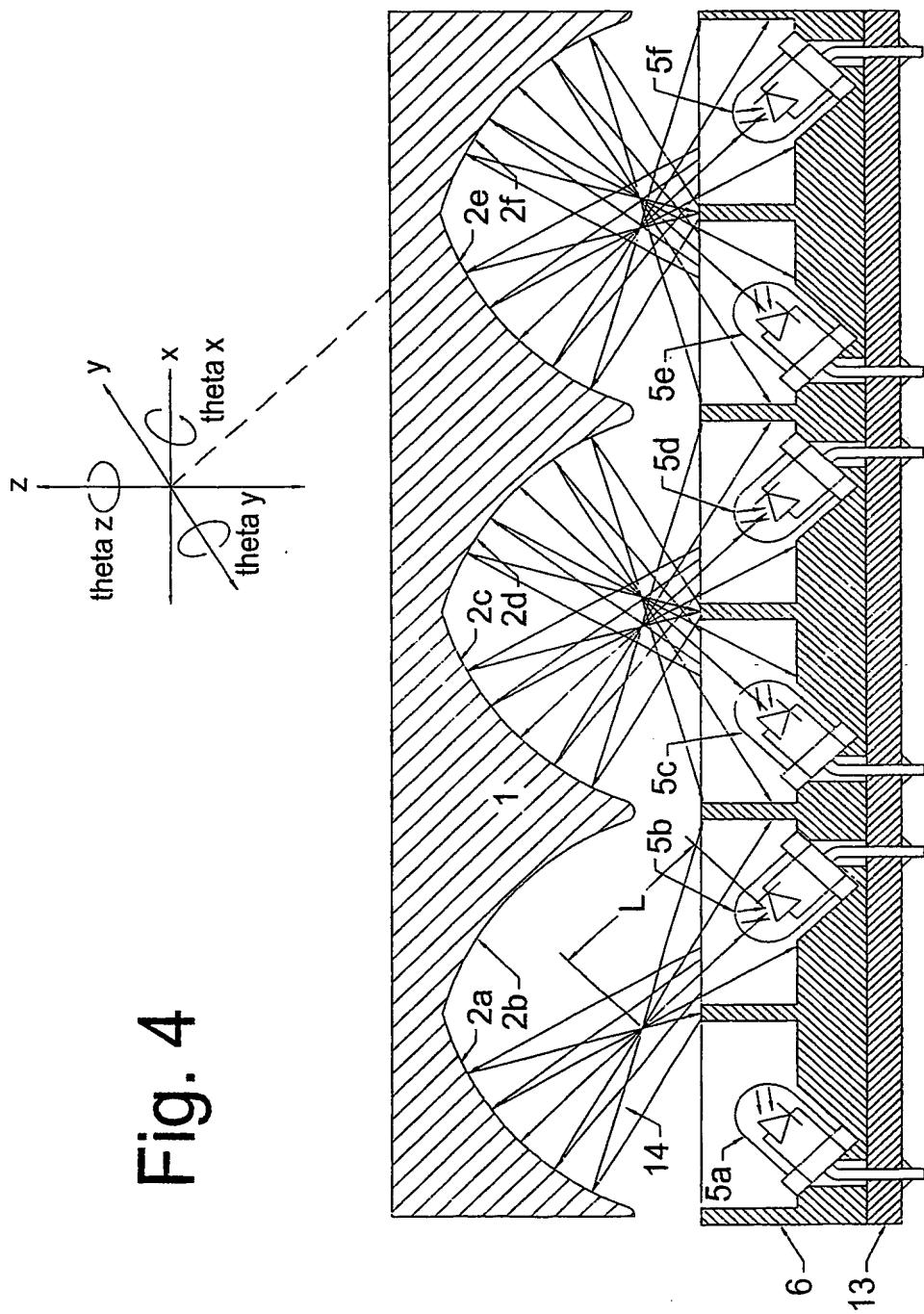
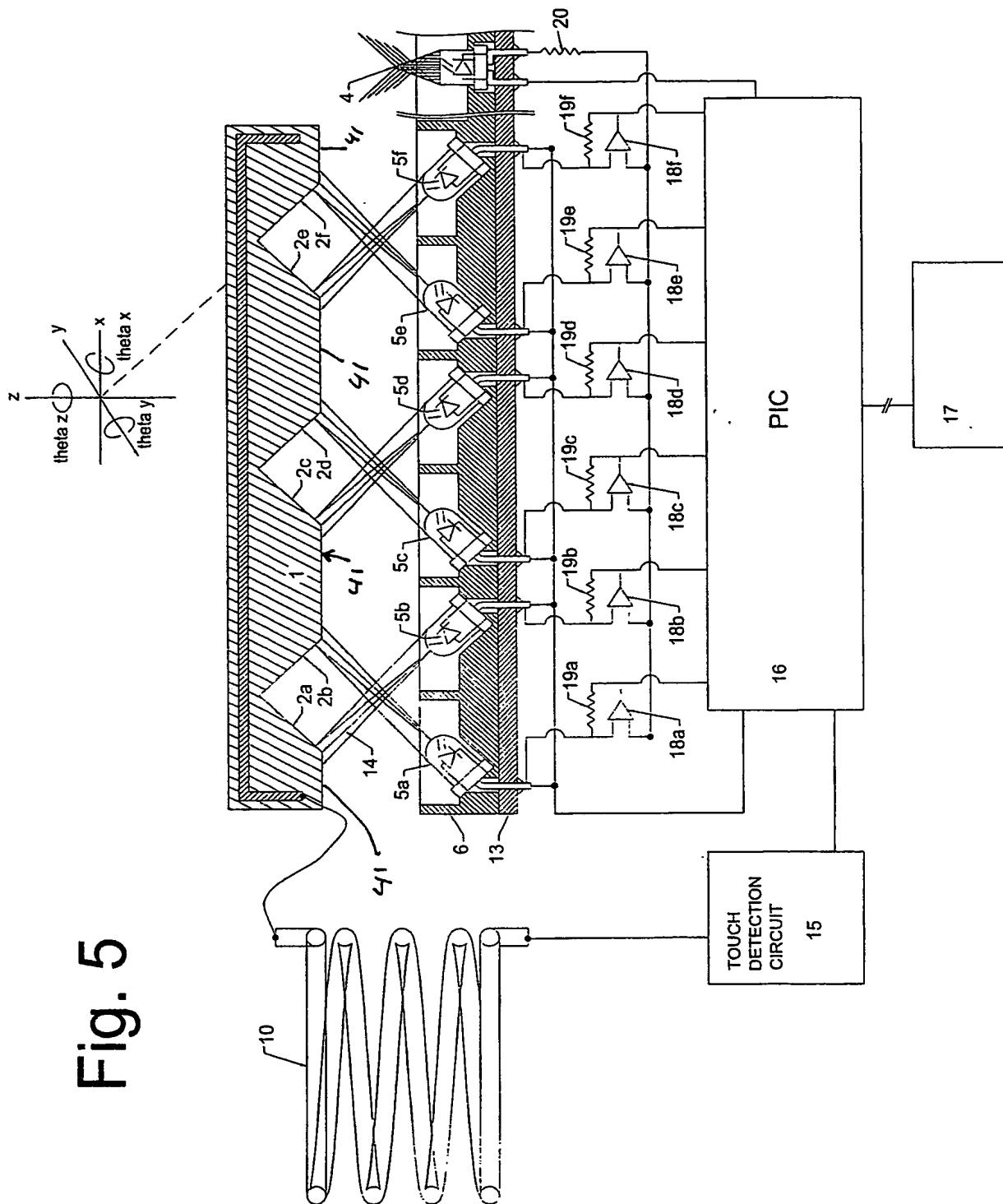


Fig. 1d

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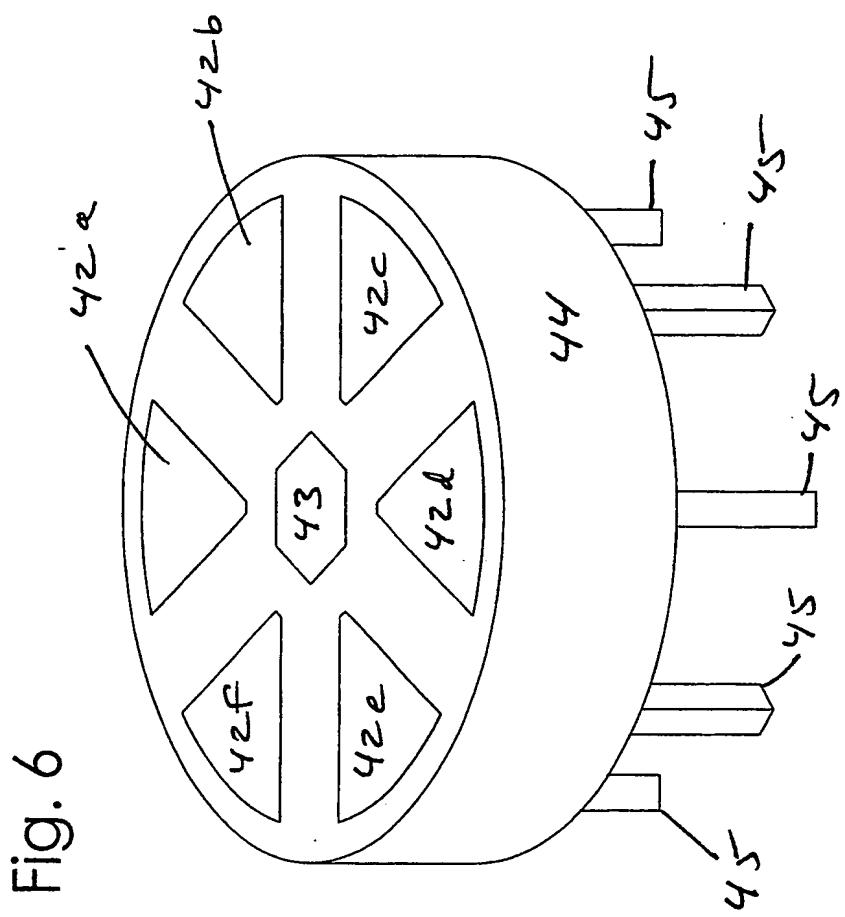


Fig. 6

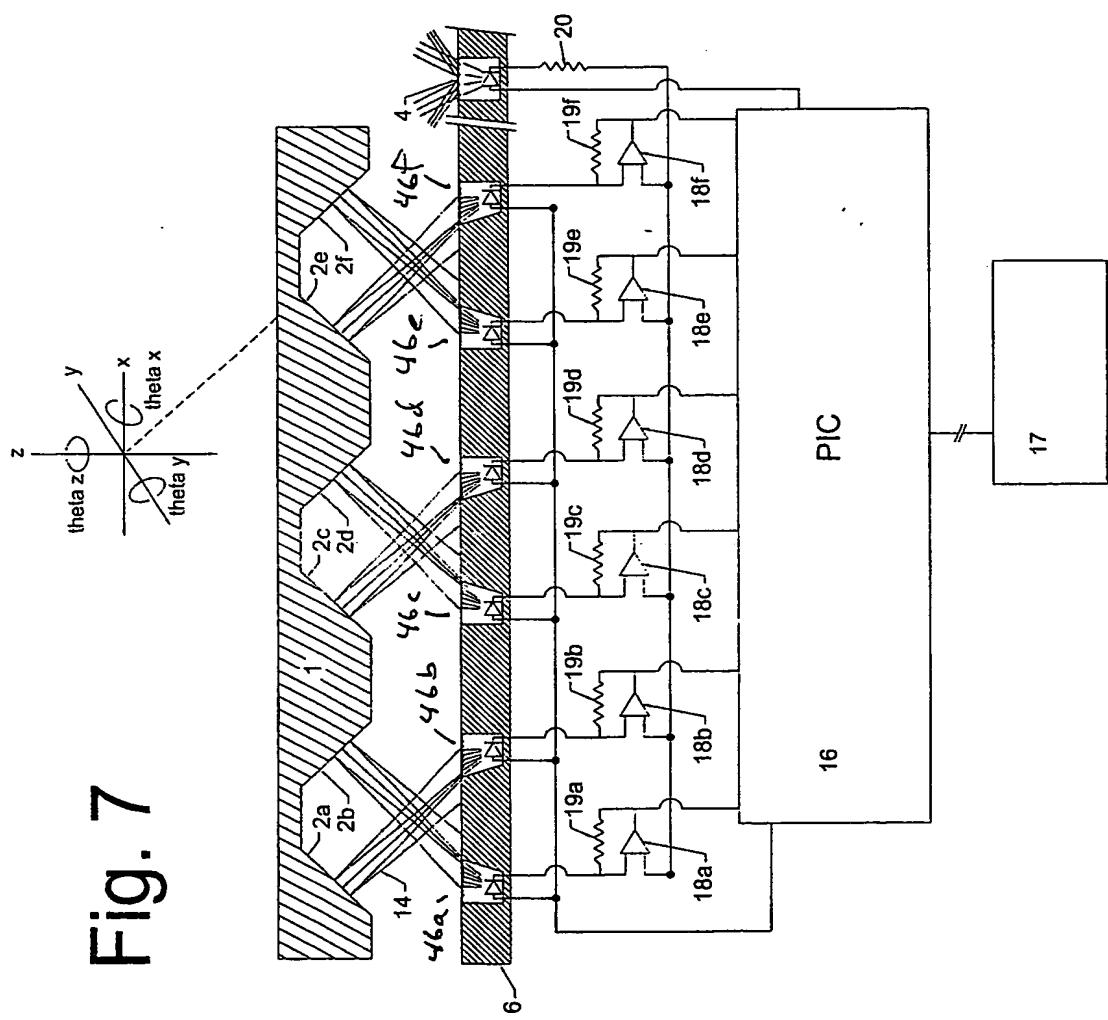
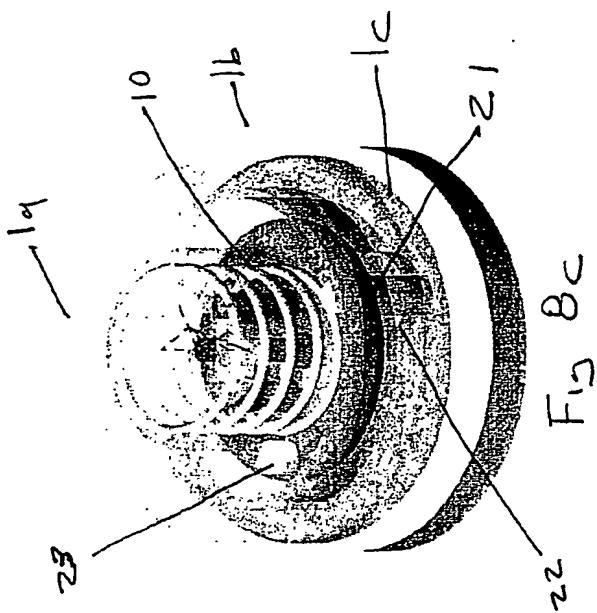


Fig. 7



8c
E

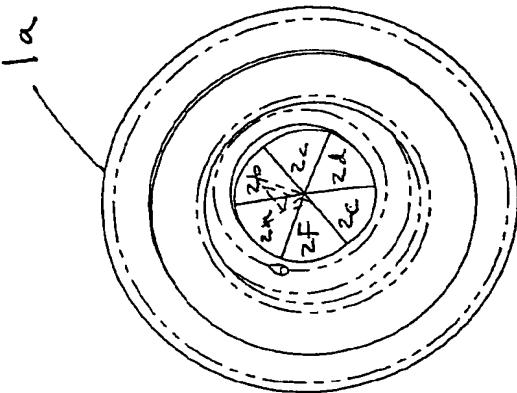


Fig 9

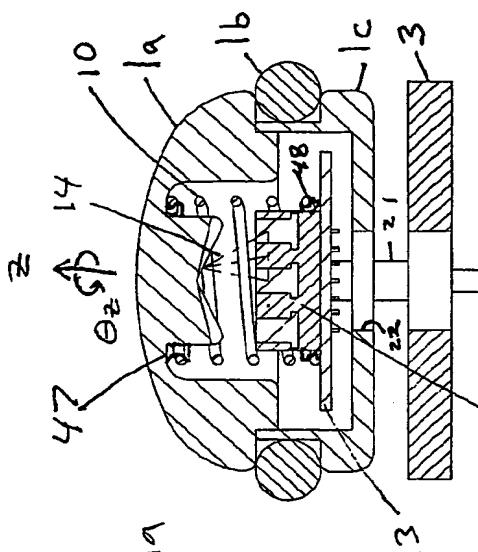
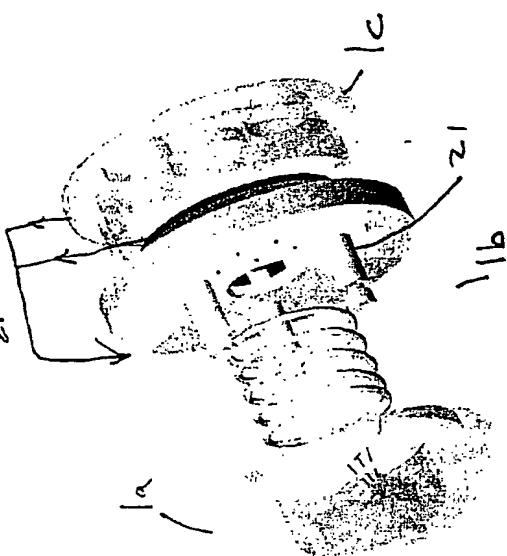


Fig. 8b



88
En

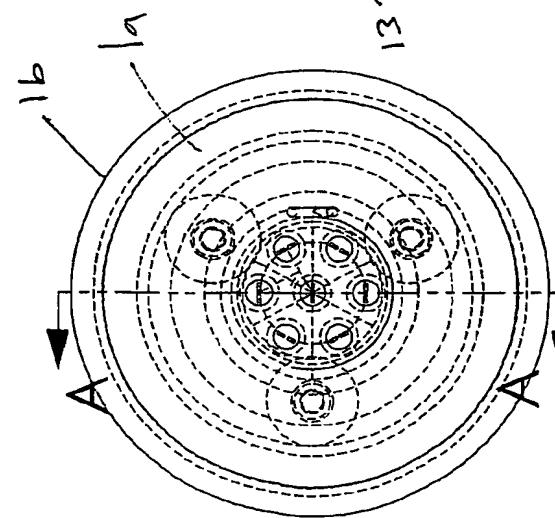
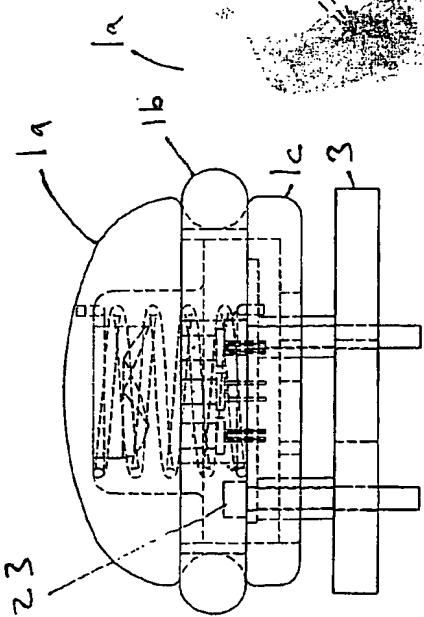


Fig 8a



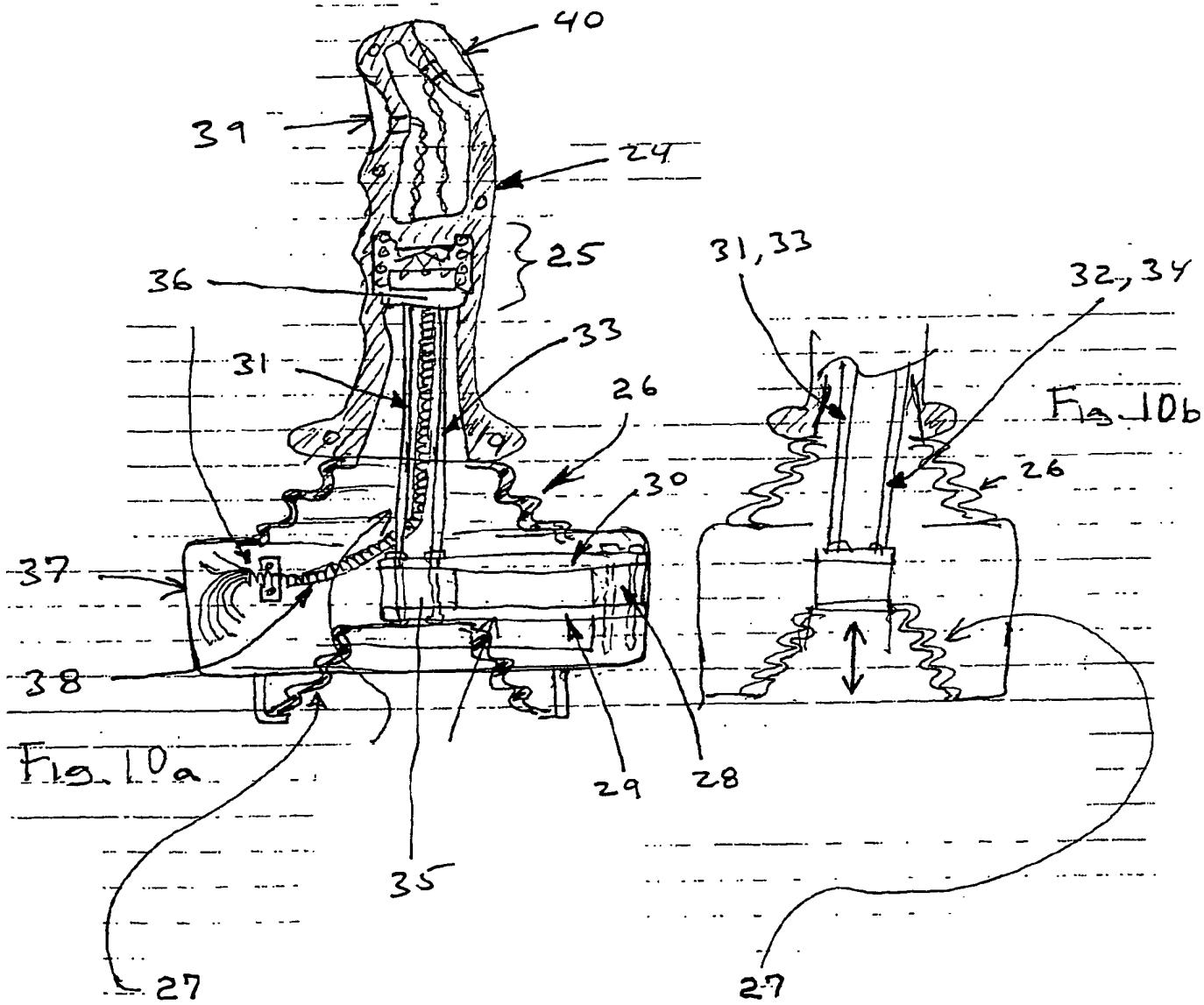
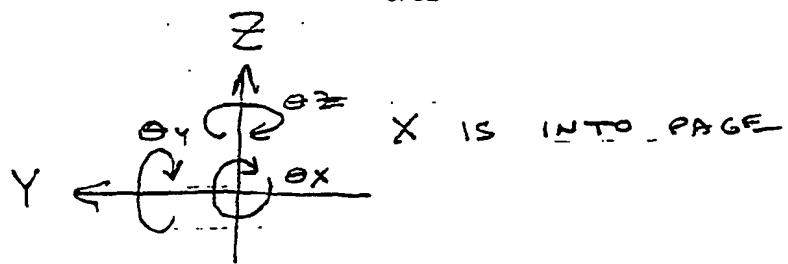
F₁g 8d

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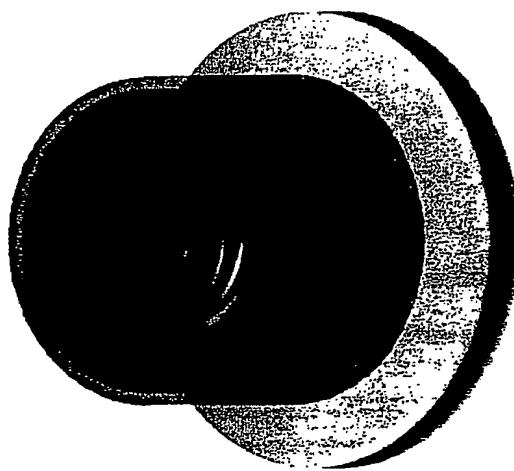
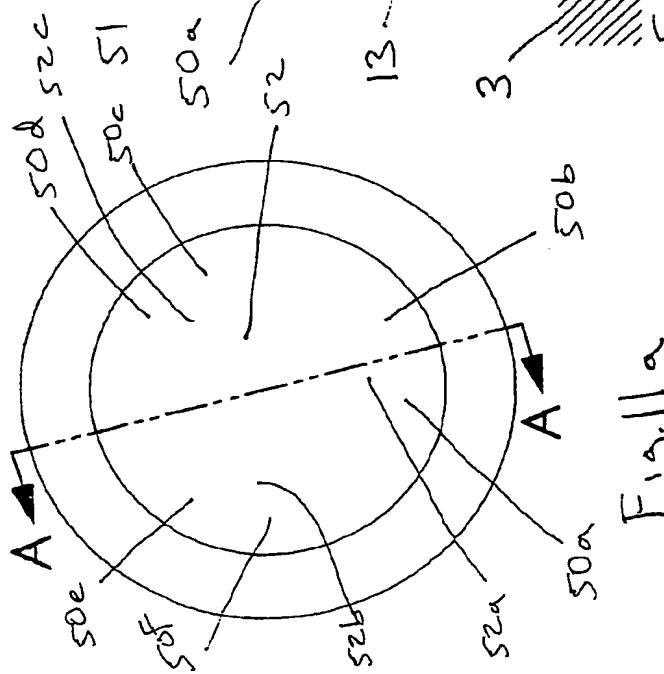
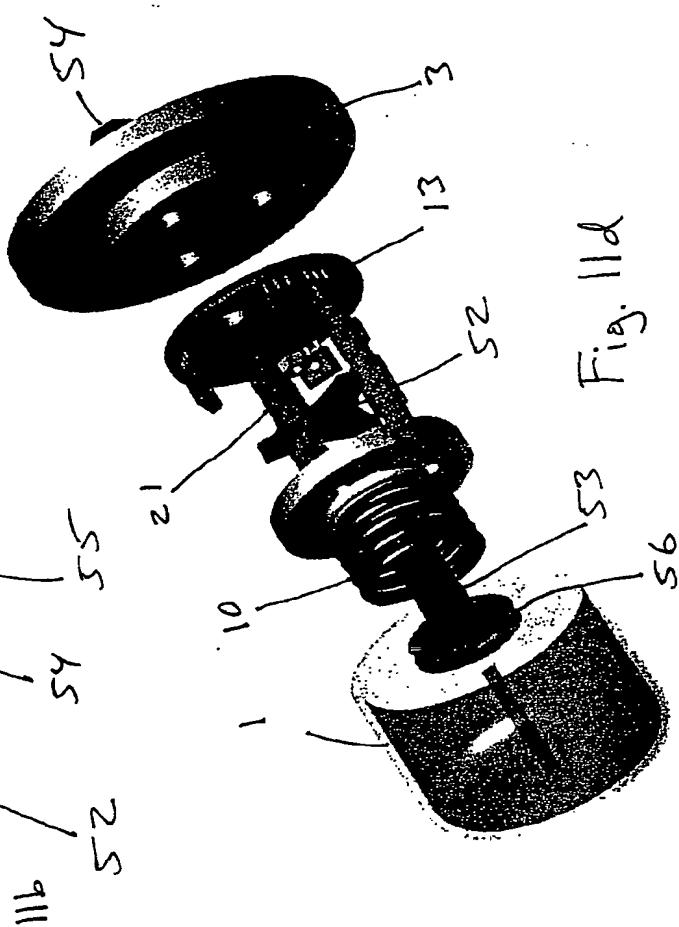
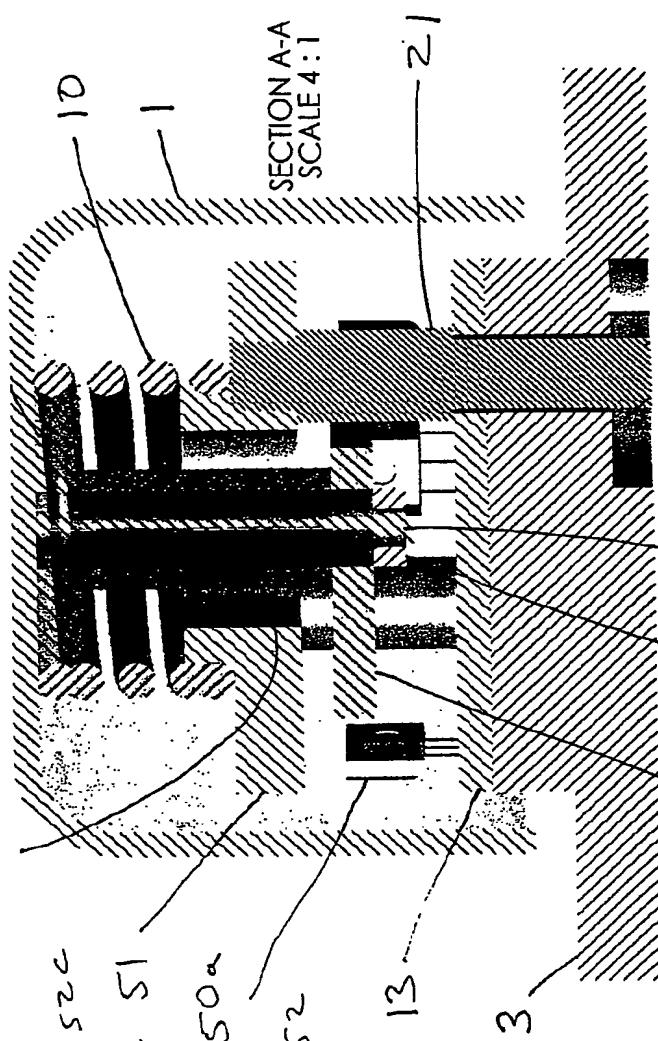


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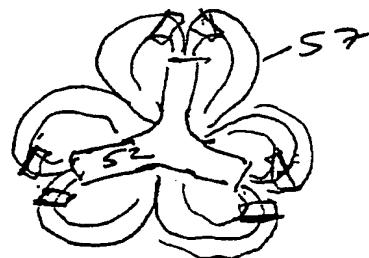


Fig. 12

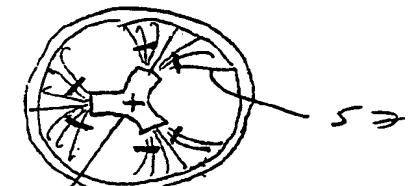
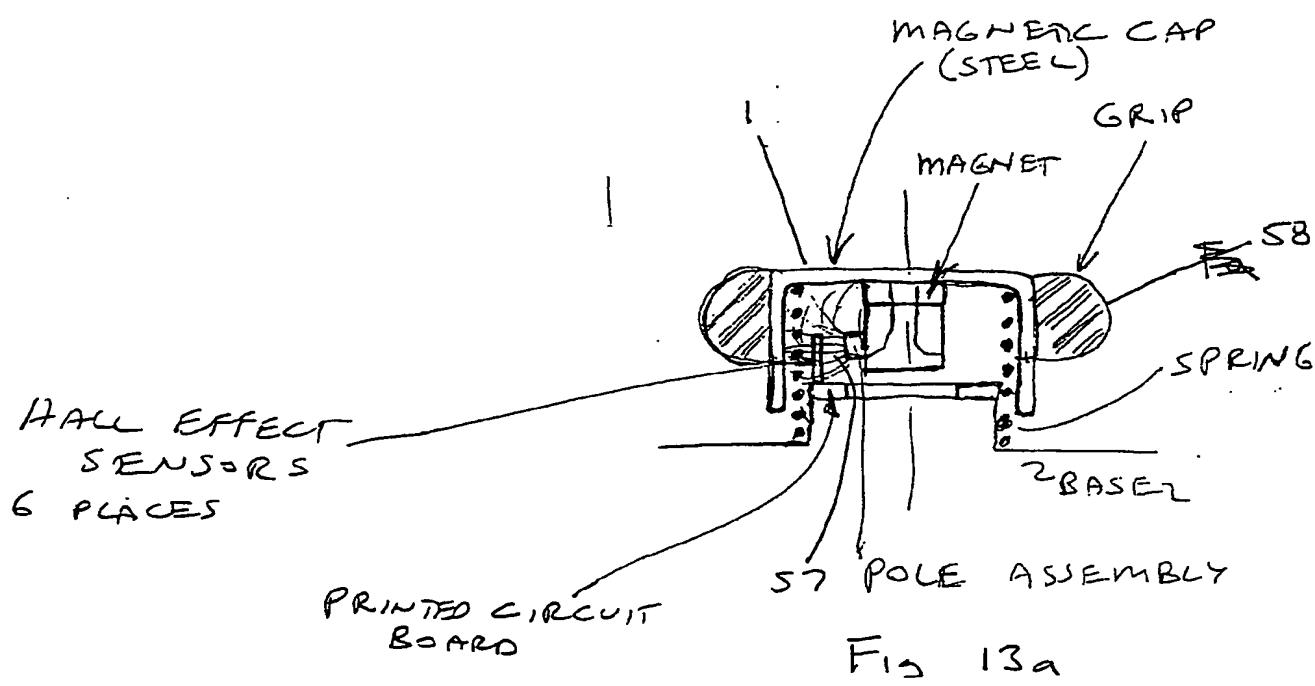


Fig. 13



:::



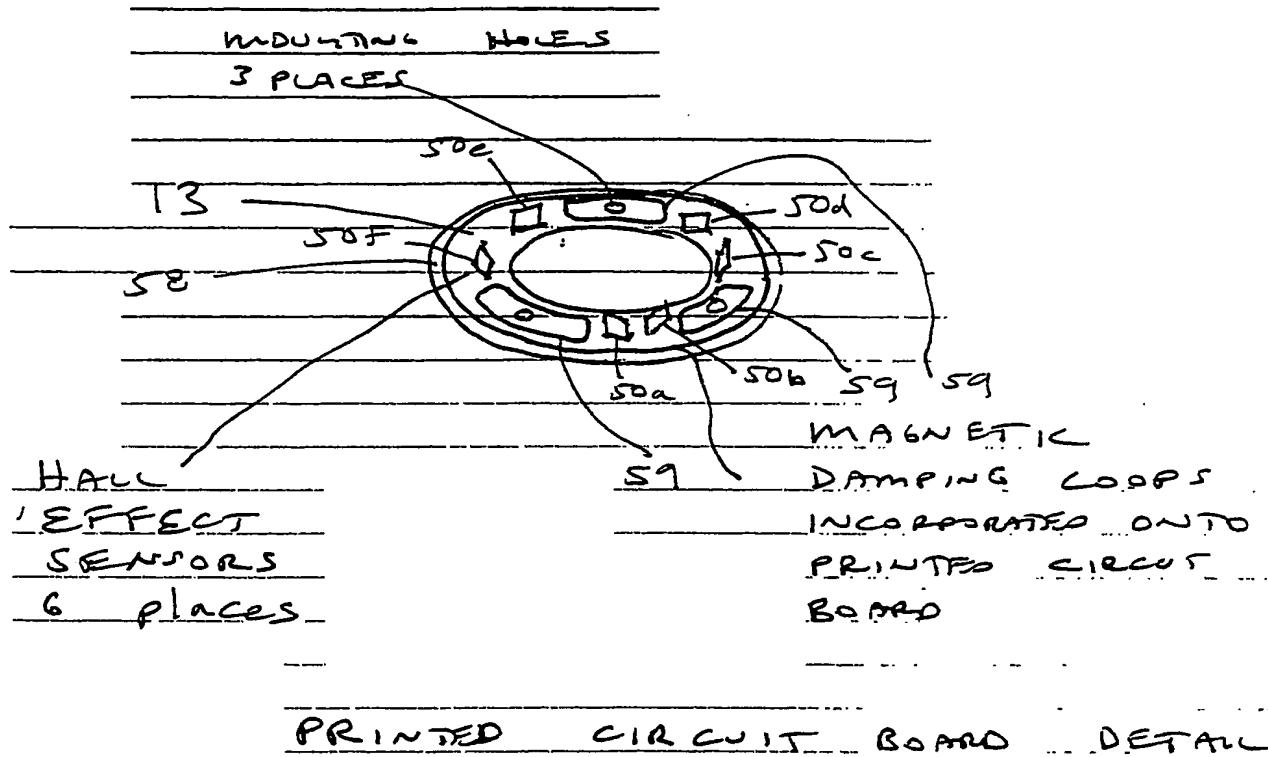
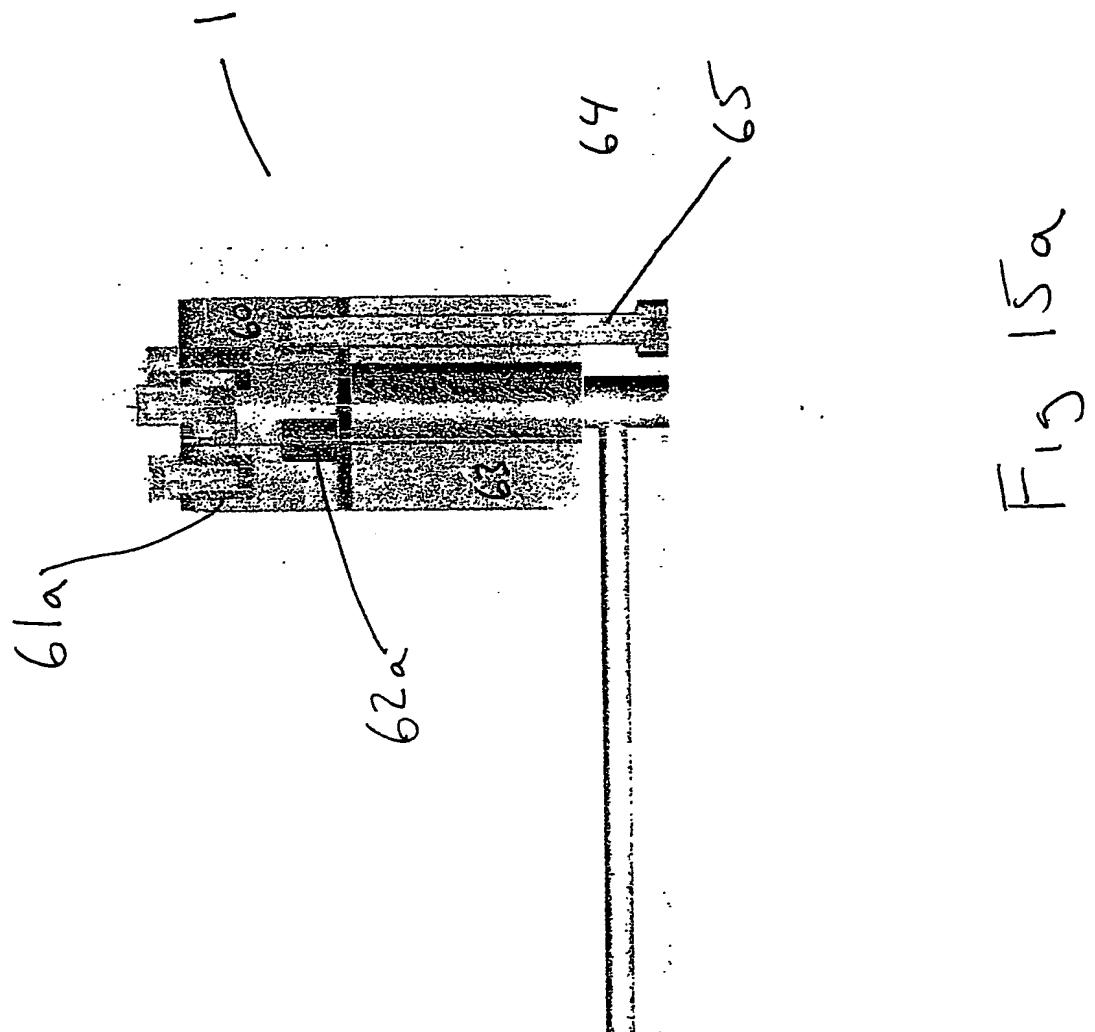
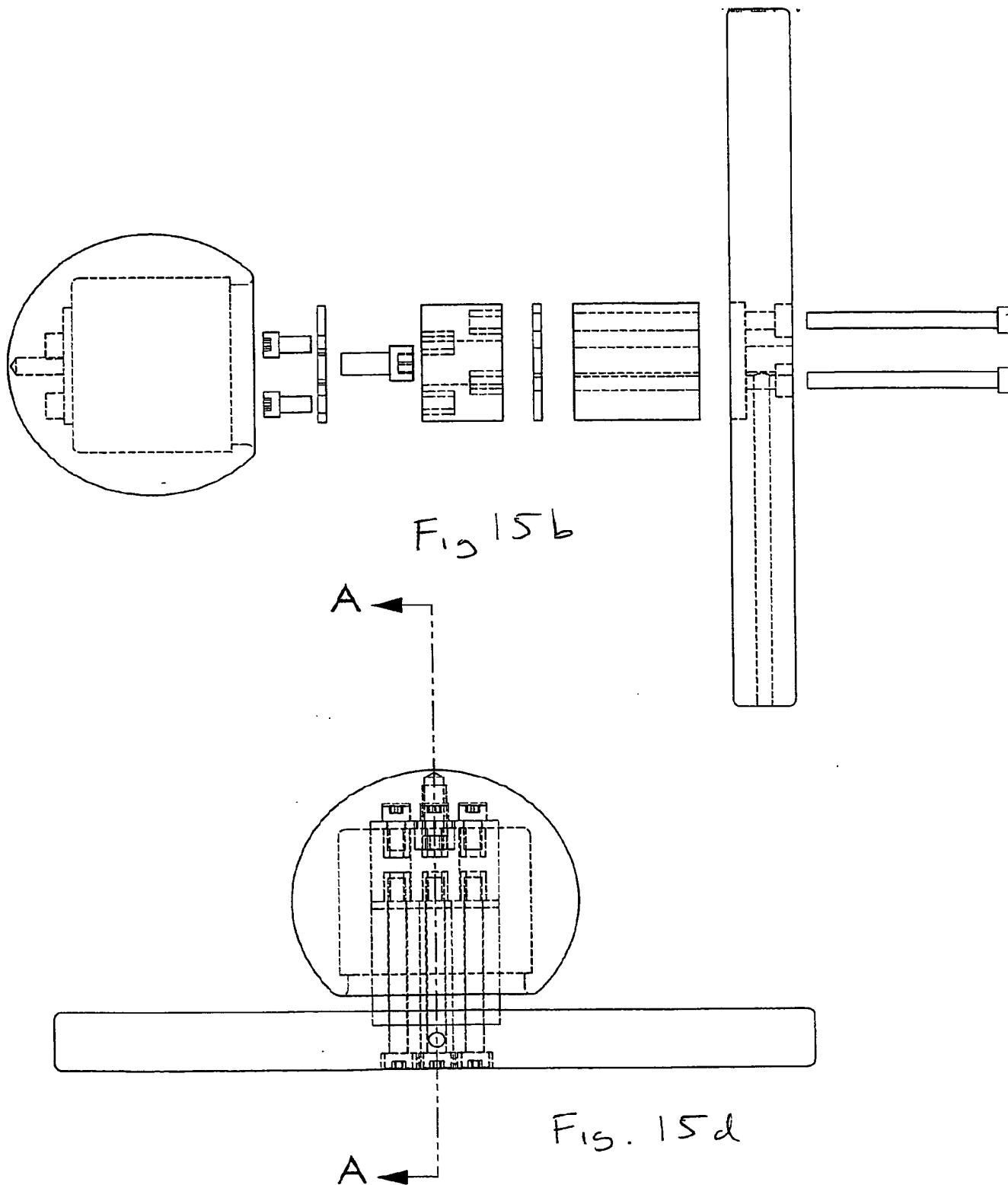


FIG. 14

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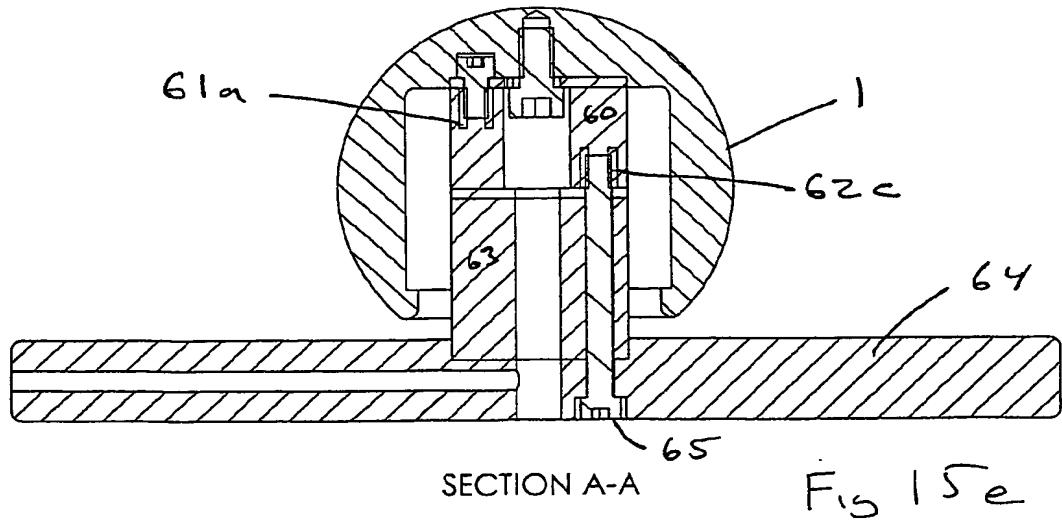
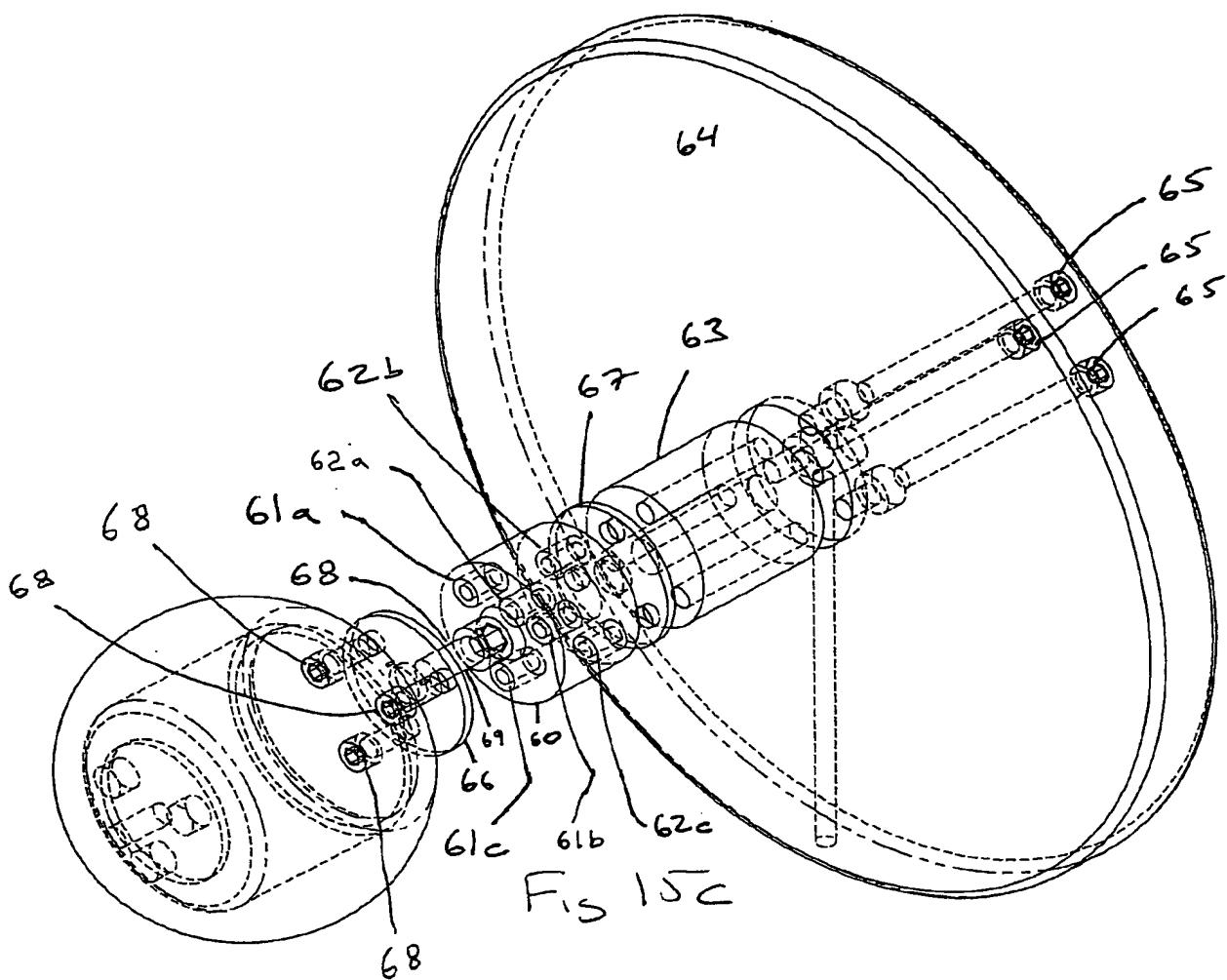


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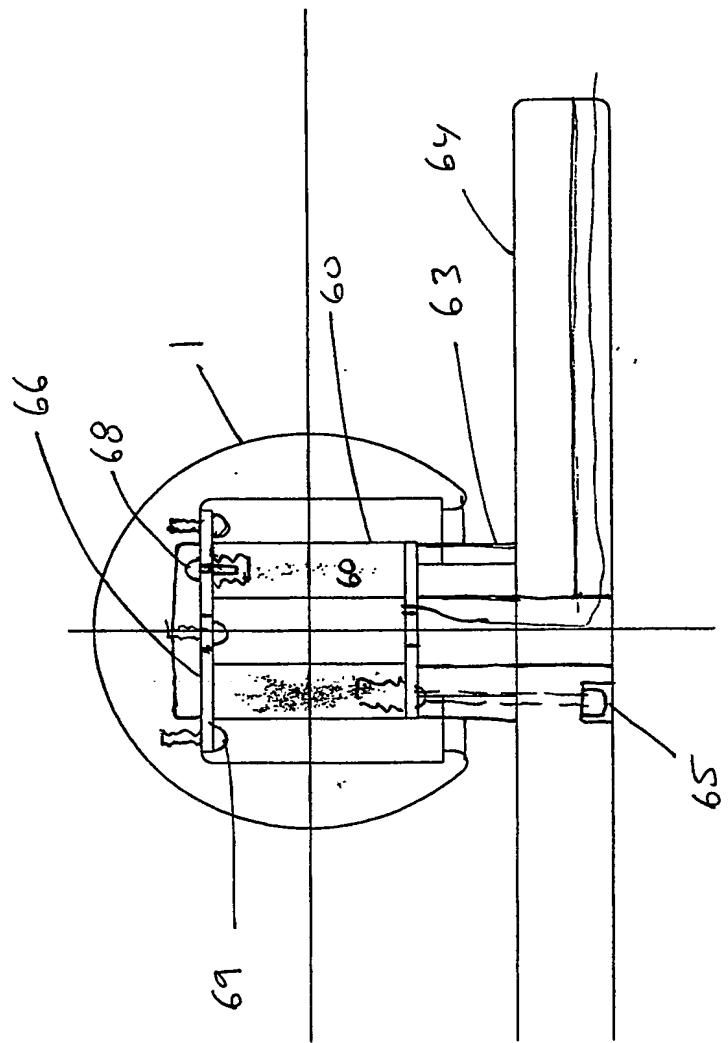


Fig 16

CIRCUIT DIAGRAM
FOR RUBBER PLUG

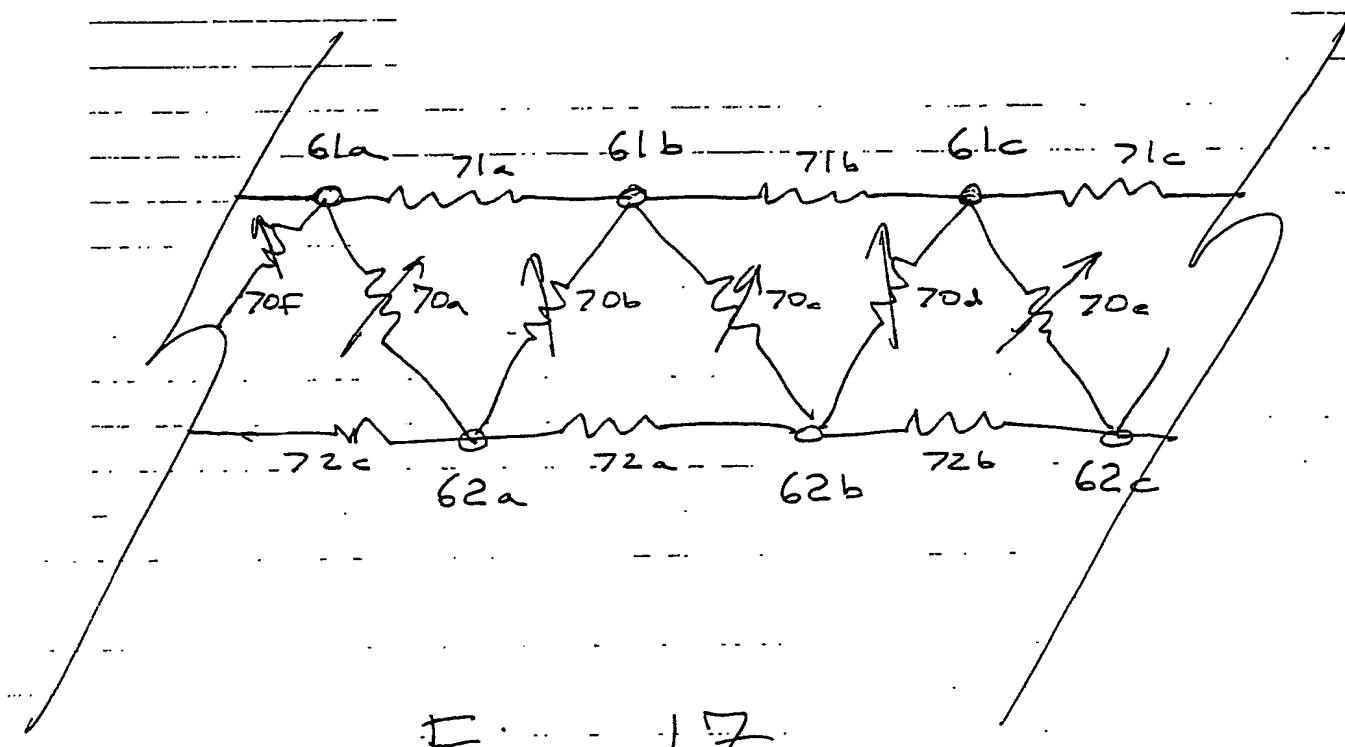


Fig. 17

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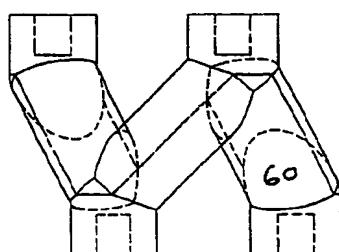


Fig. 18a

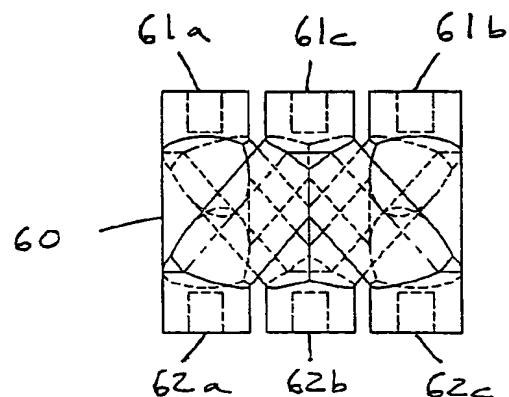


Fig. 18b

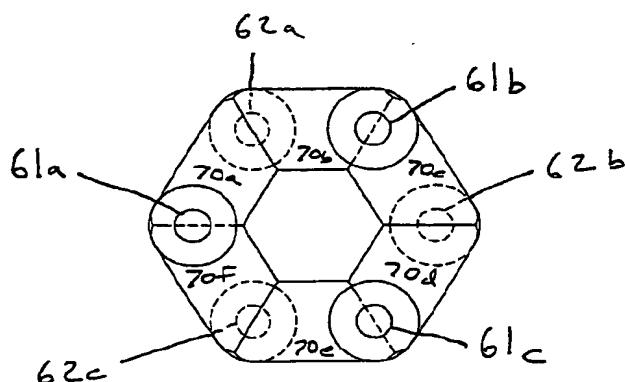


Fig. 18c

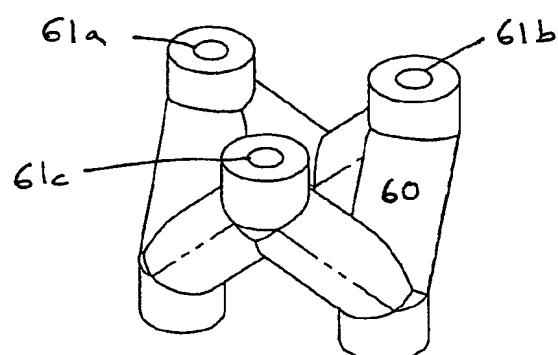


Fig. 18d

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CIRCUIT DIAGRAM
FOR "S6100L4"

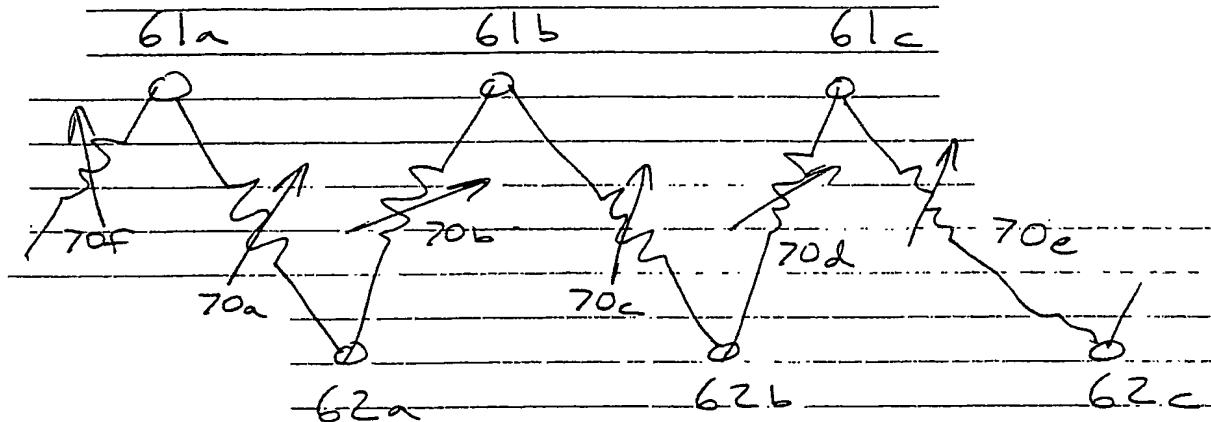
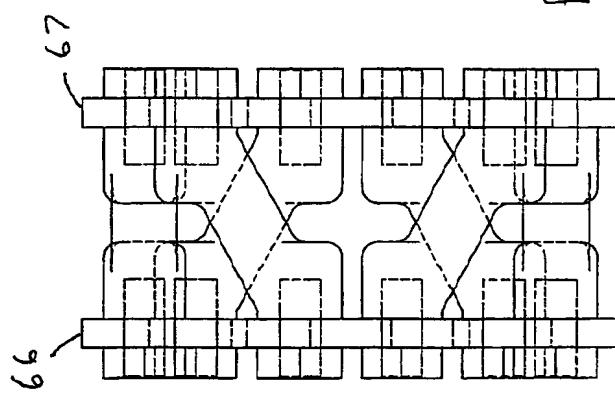
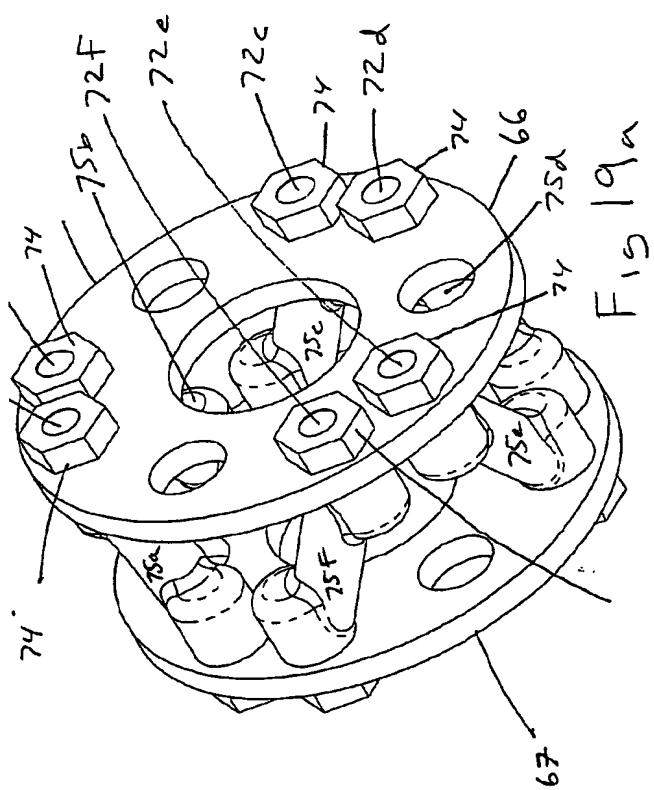
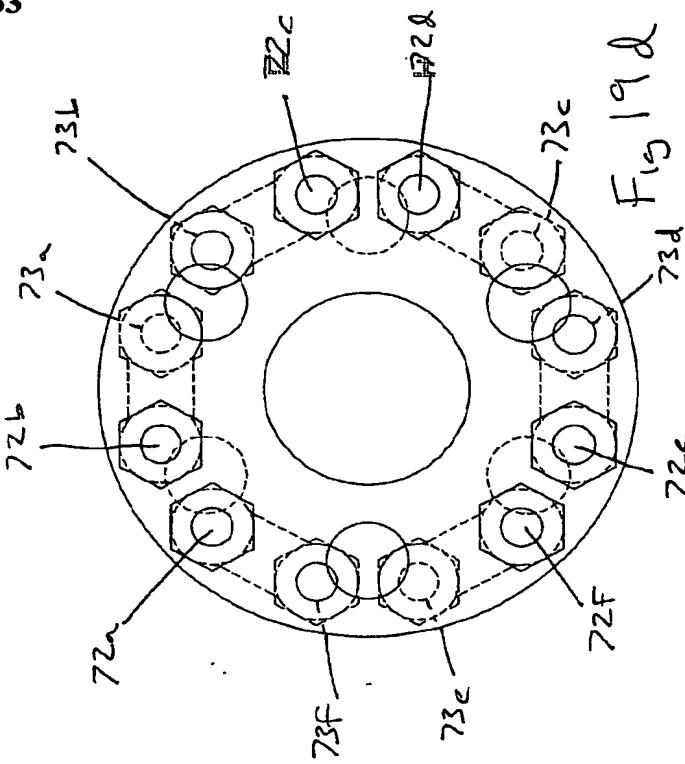
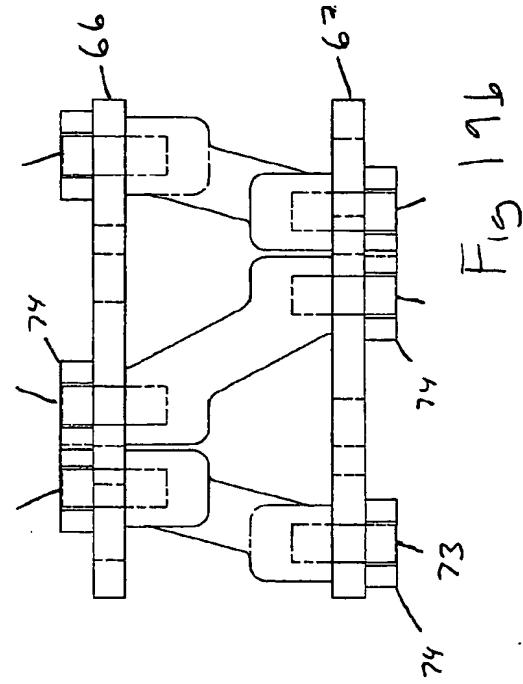


Fig 18-e

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CIRCUIT DIAGRAM
For INDEPENDENT CIRCUIT
ELEMENTS

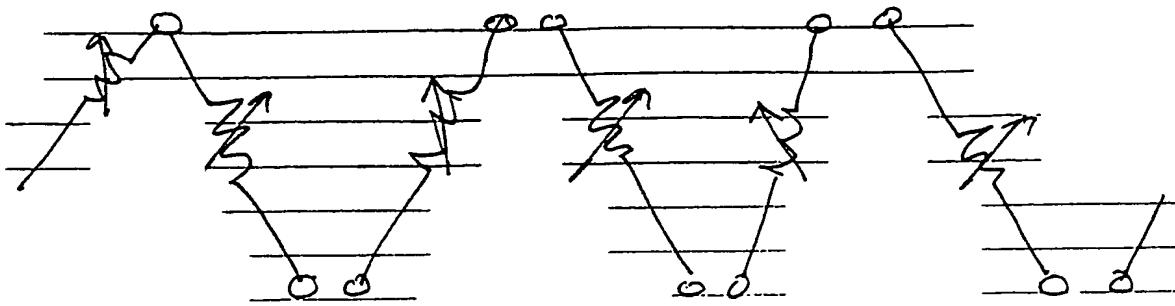


Fig 19e.

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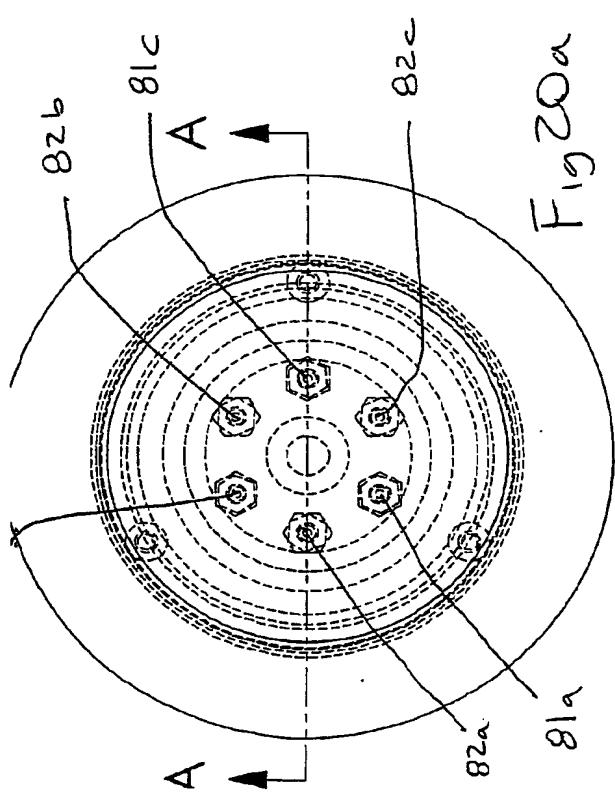


Fig. 20a

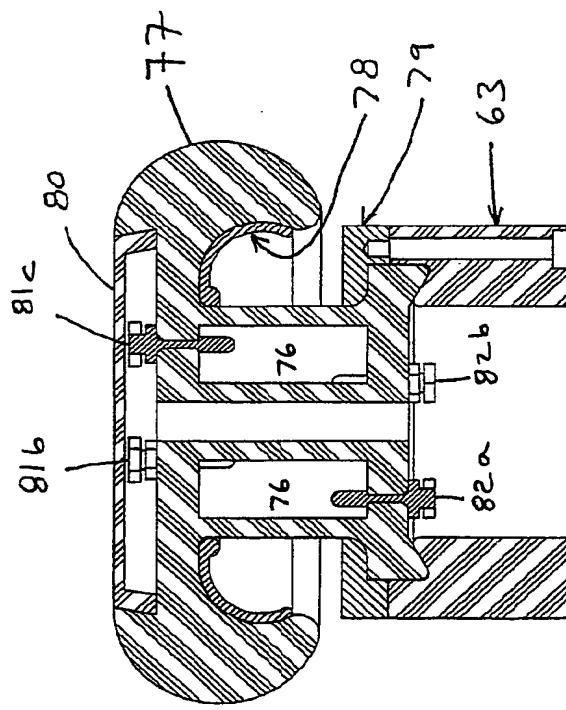
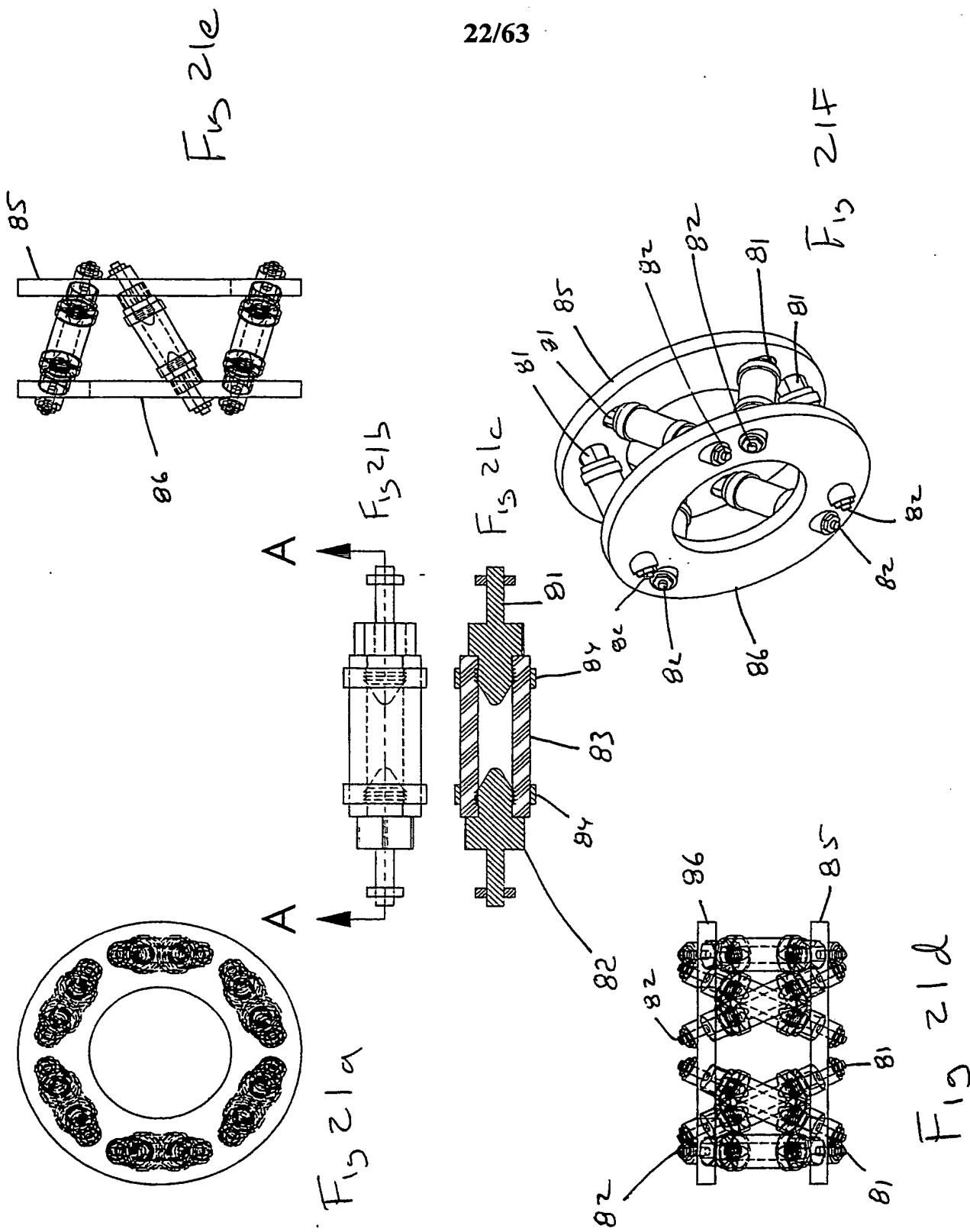


Fig. 20b

SECTION A-A

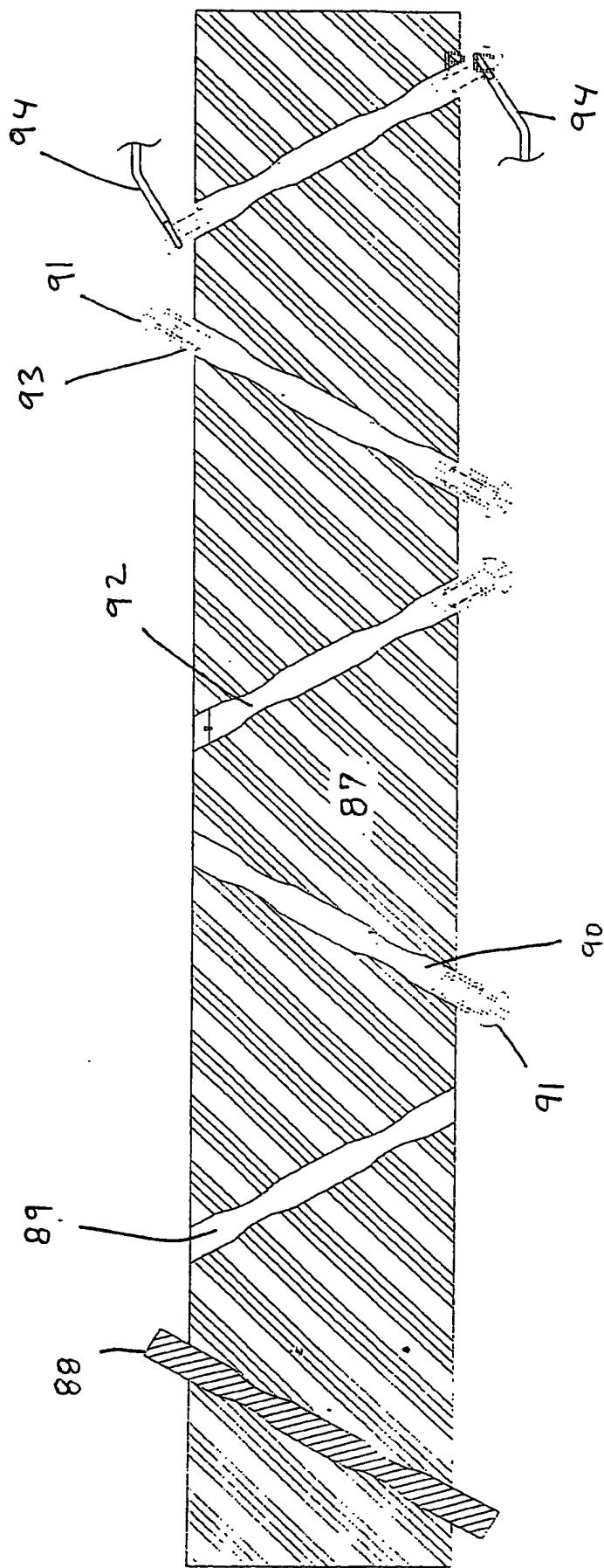


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F 19 22

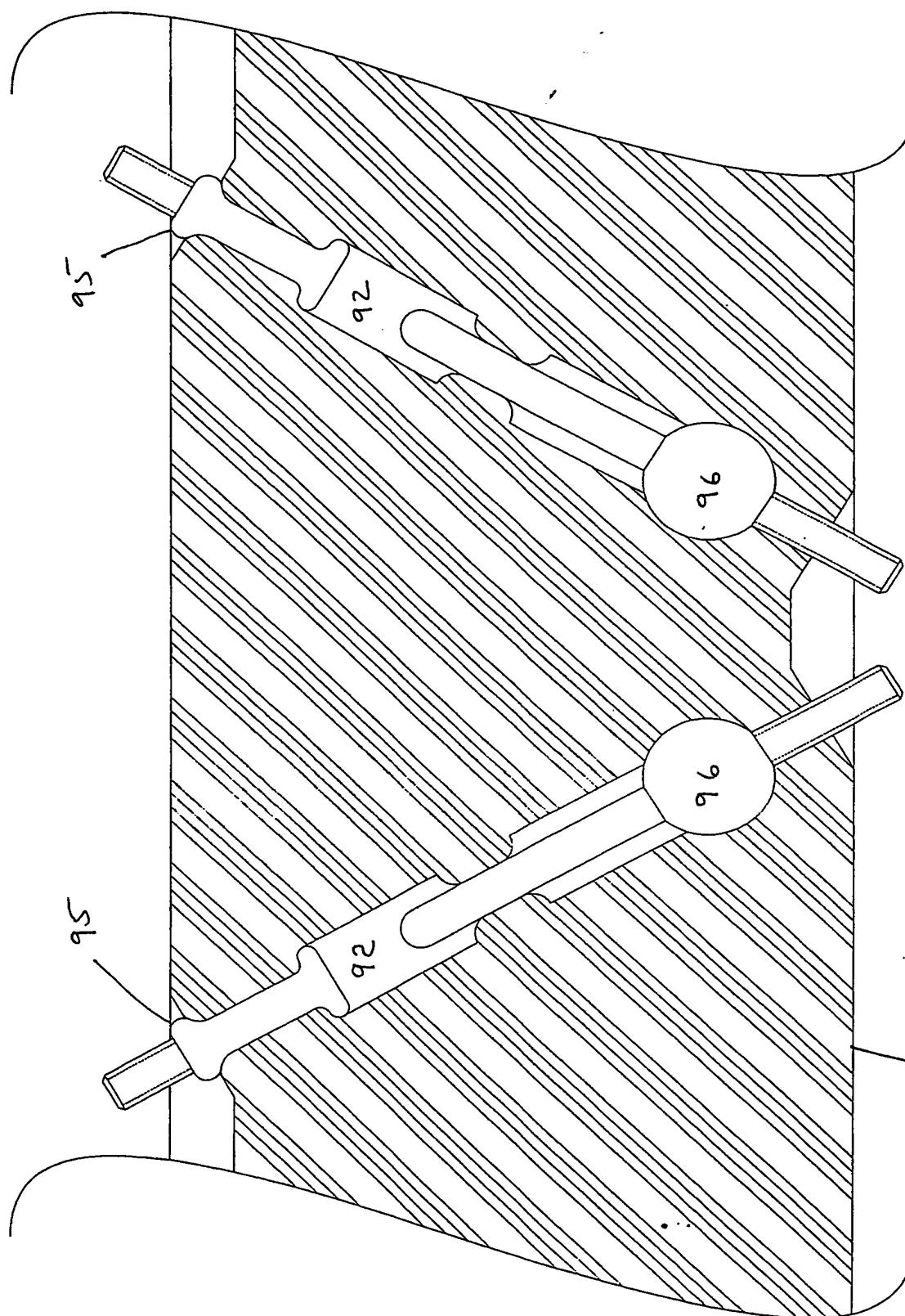


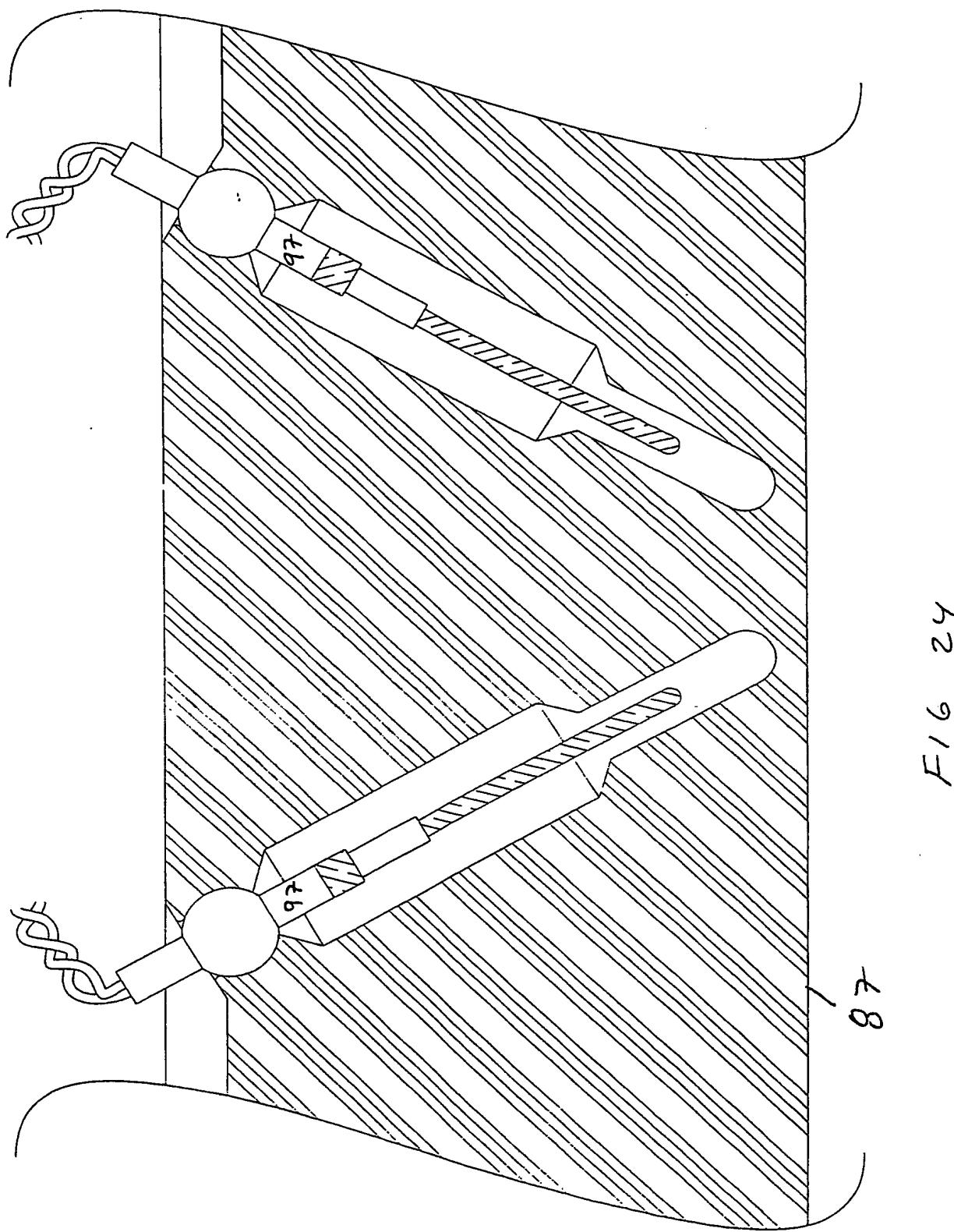
Fig 23

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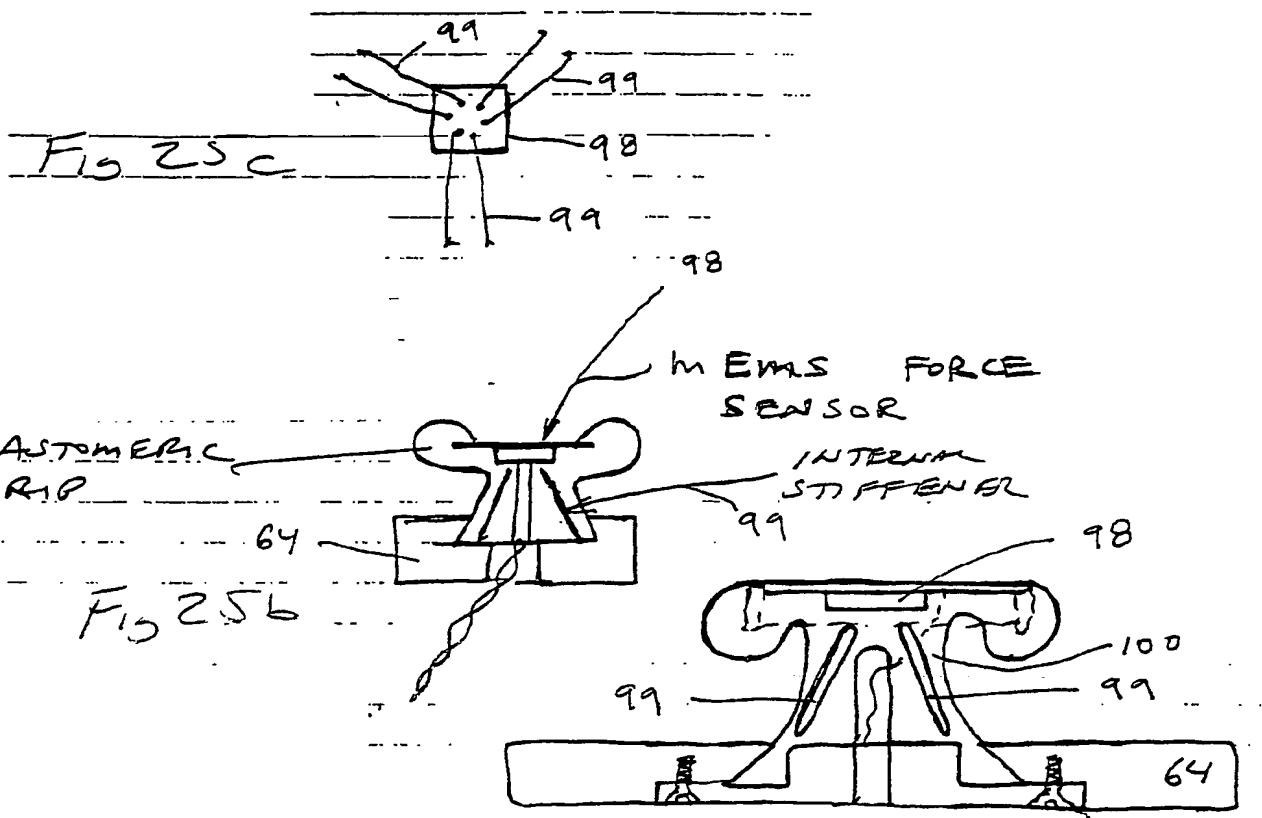


Fig 25a

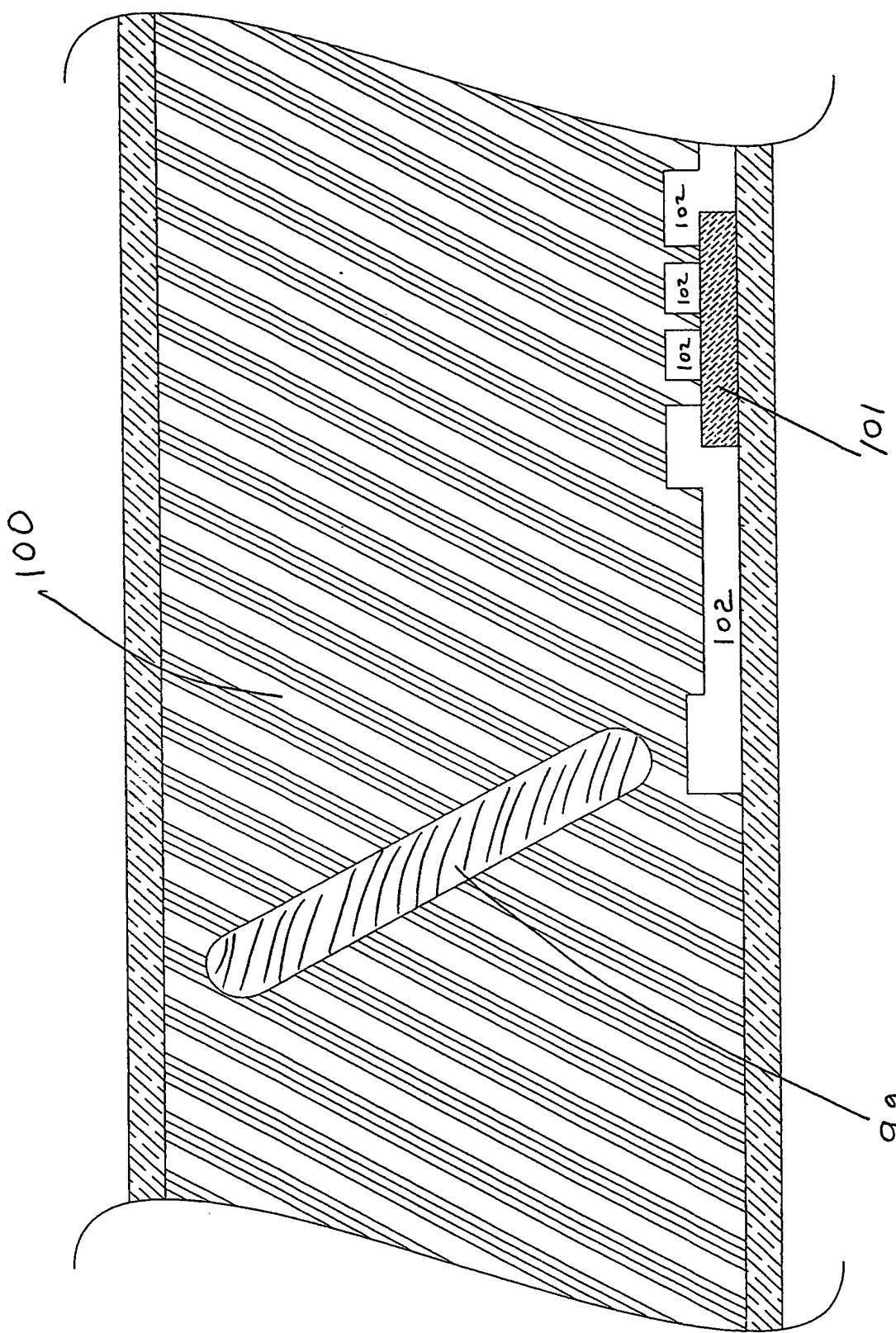


Fig 26

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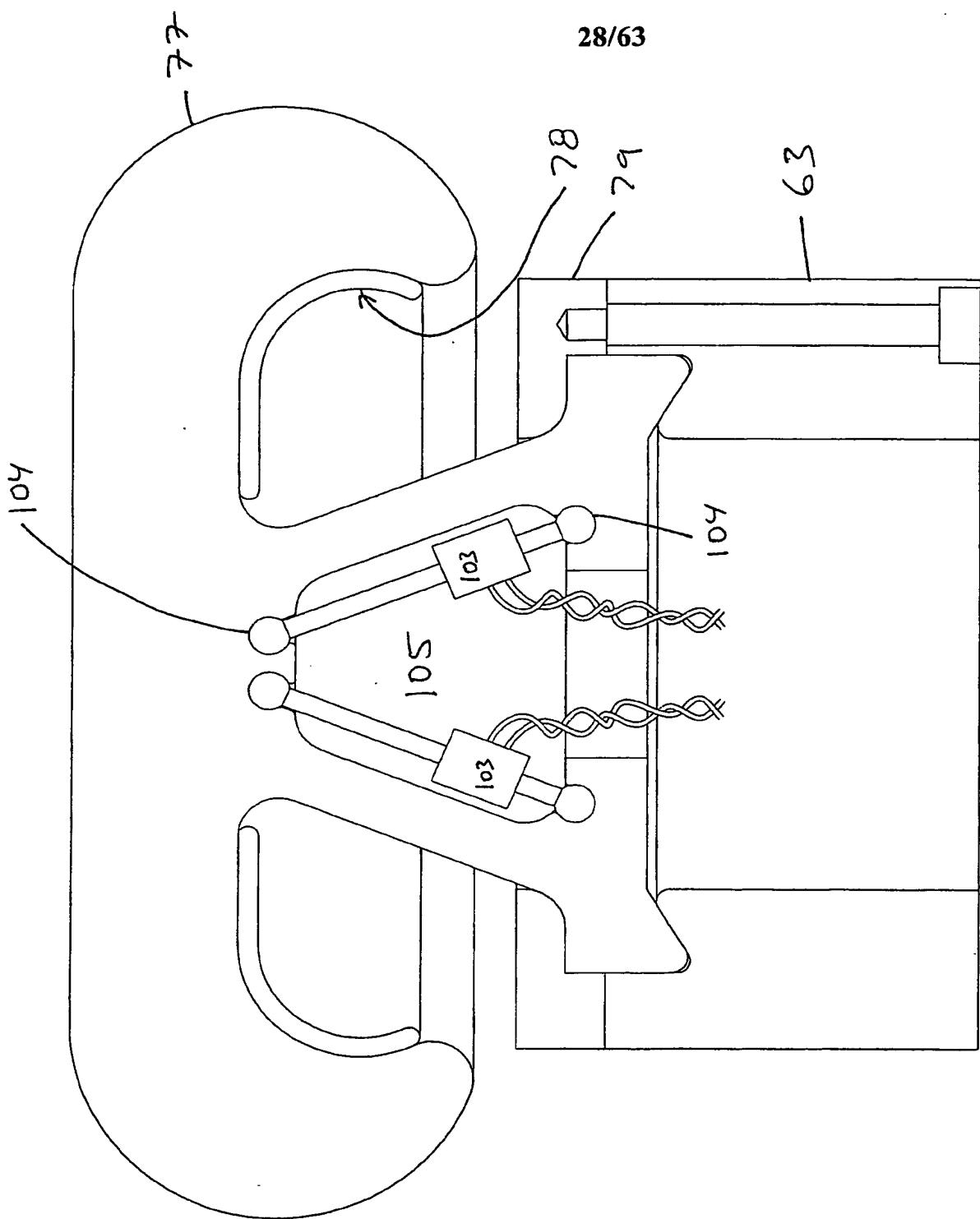


Fig 27

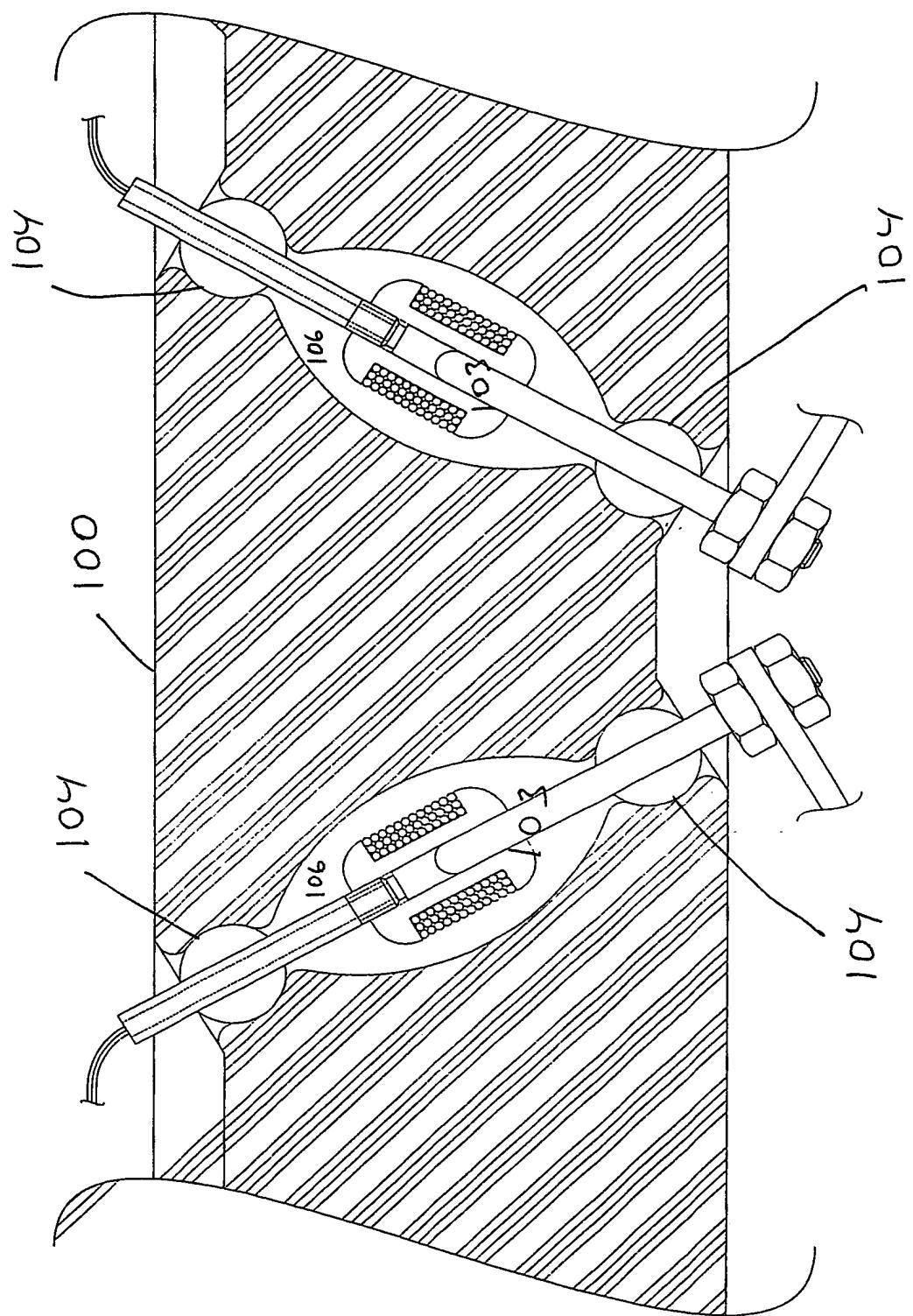
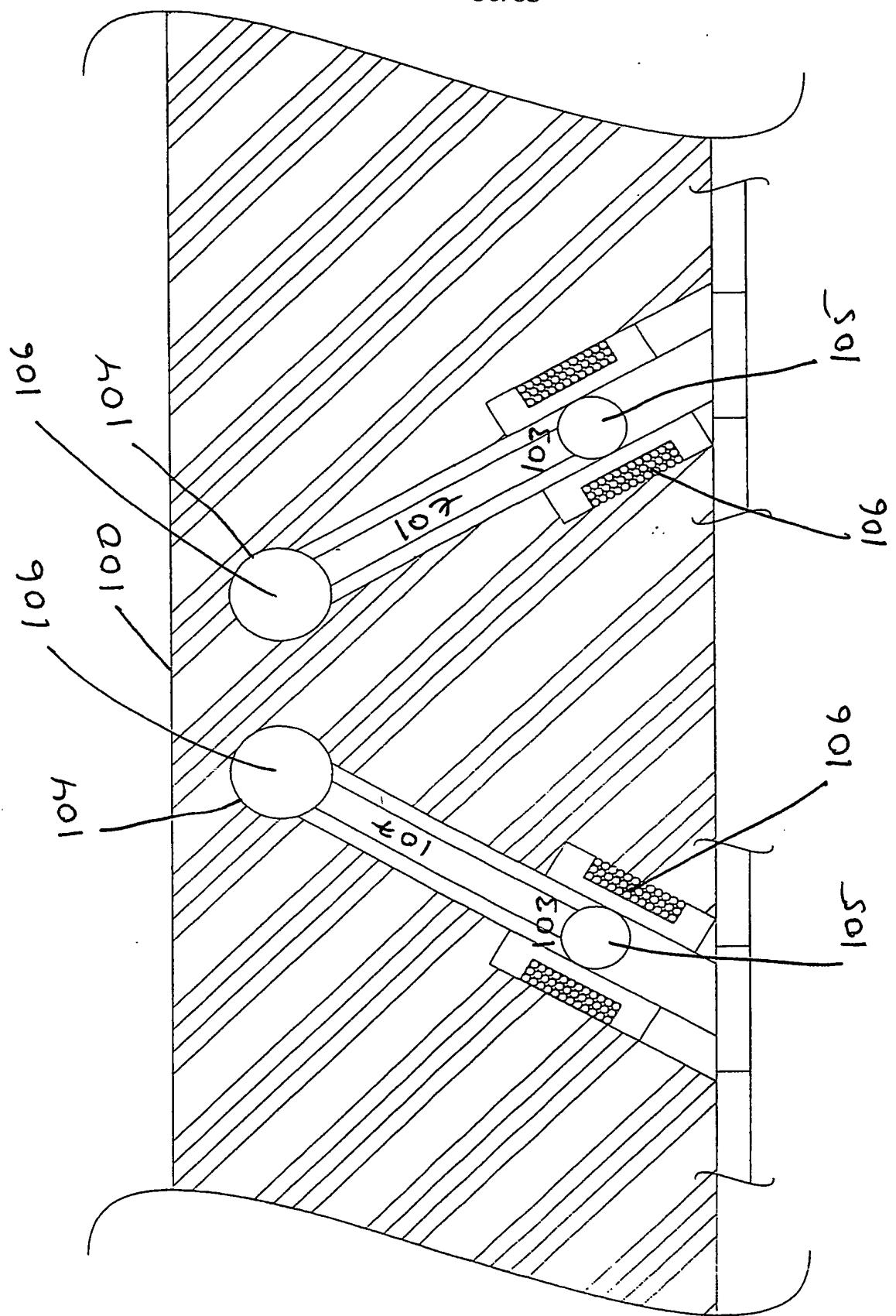


Fig 28

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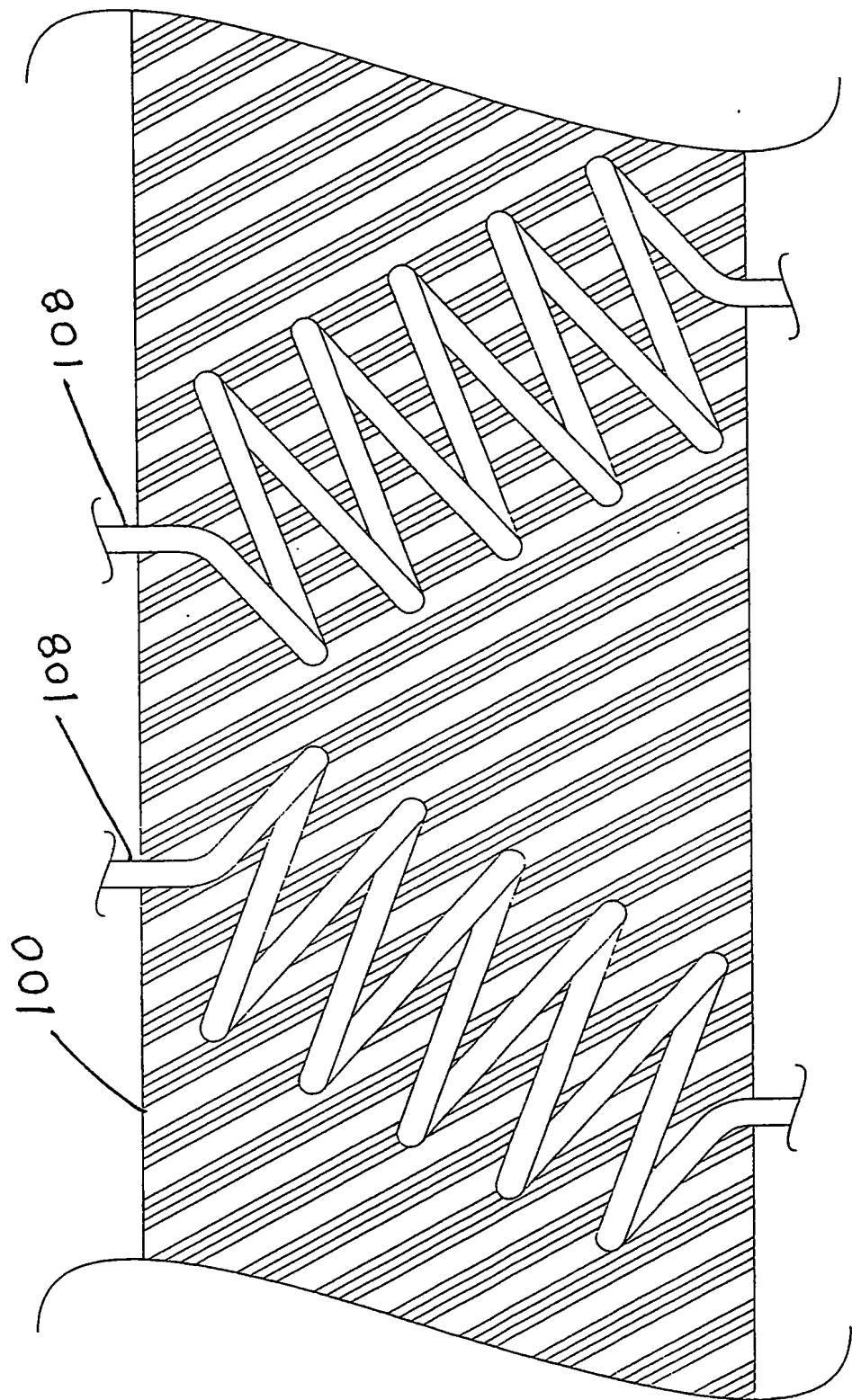


Fig 30

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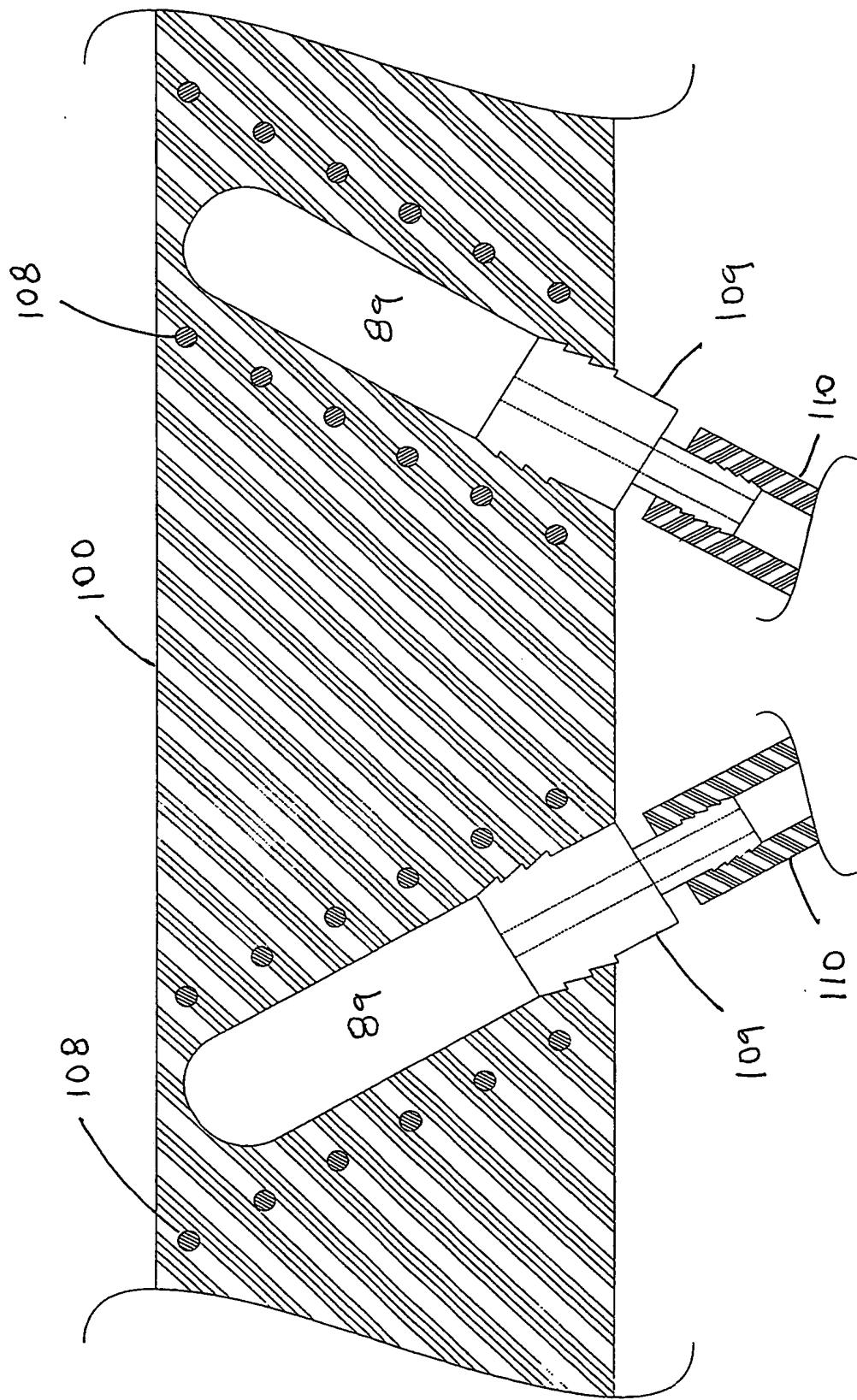


Fig 31

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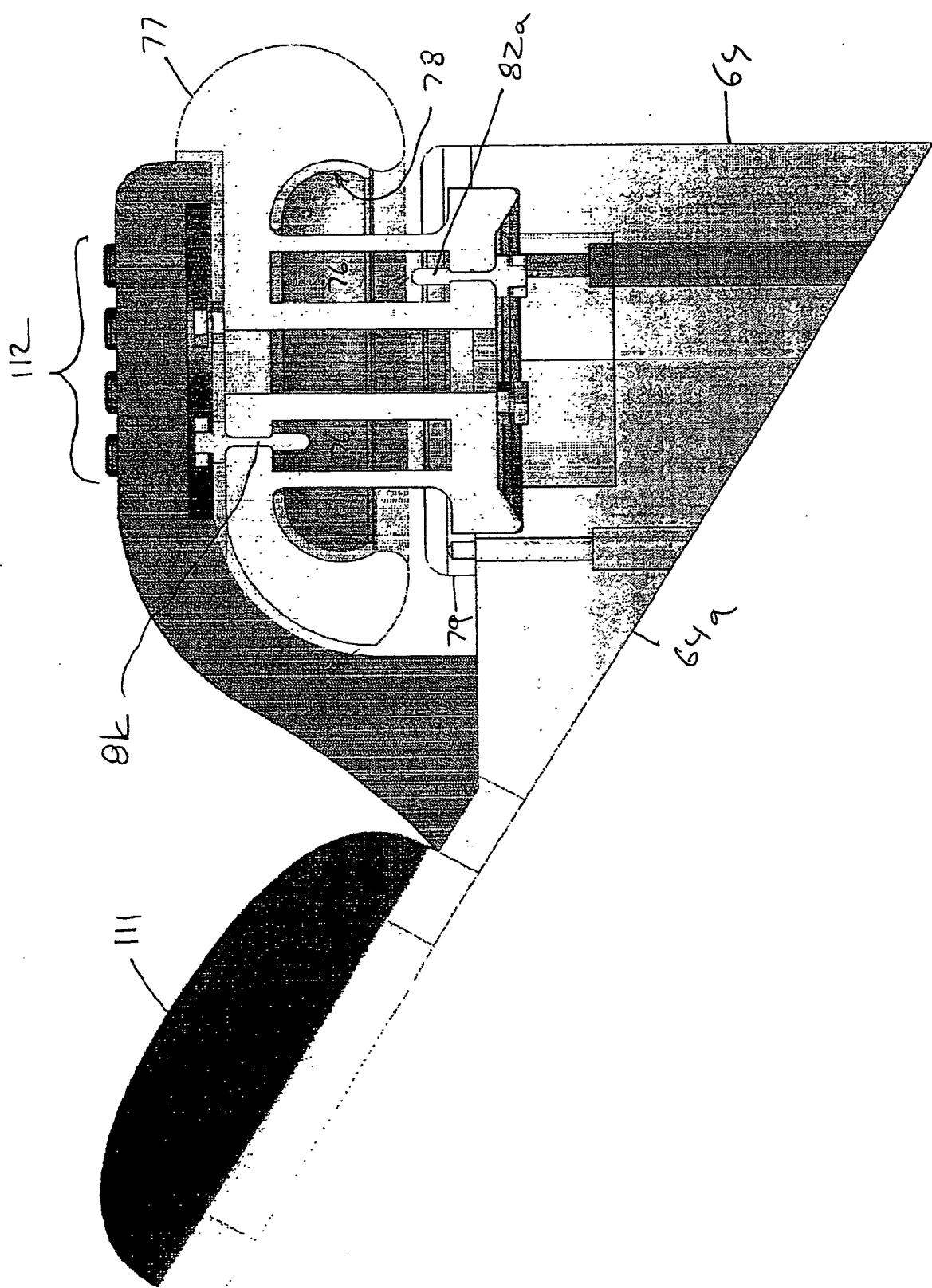
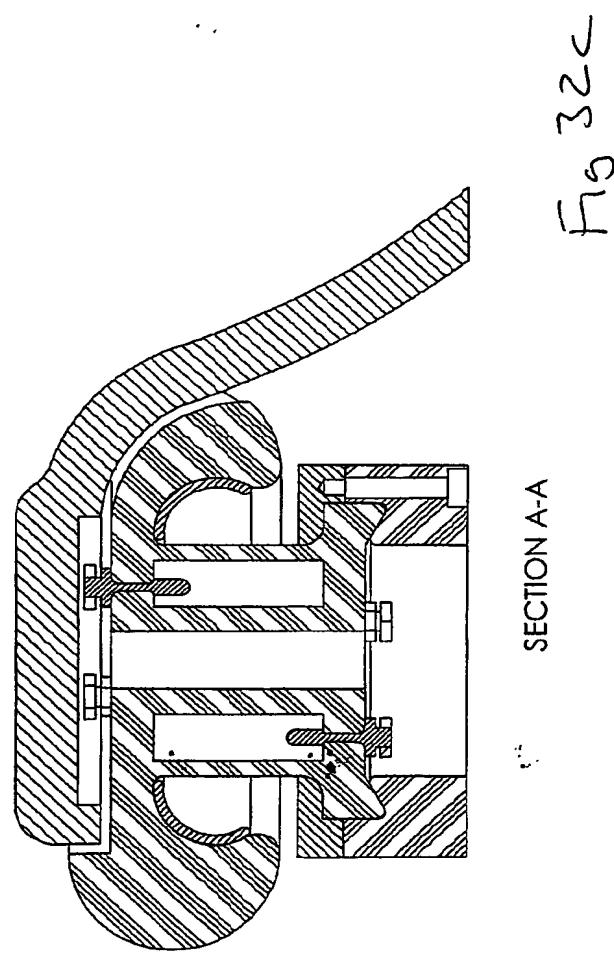
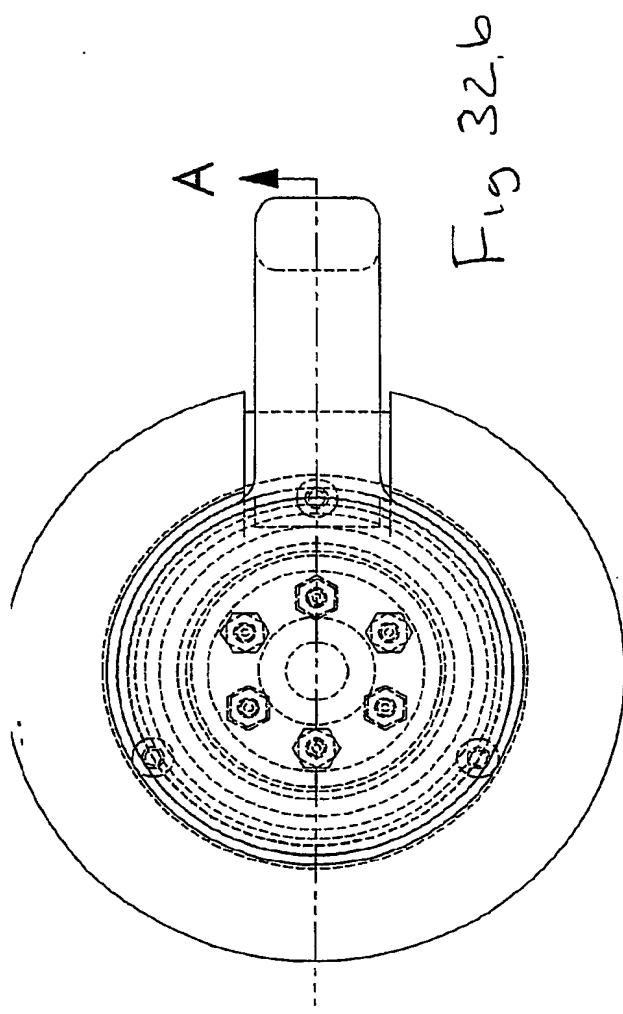


Fig. 32a



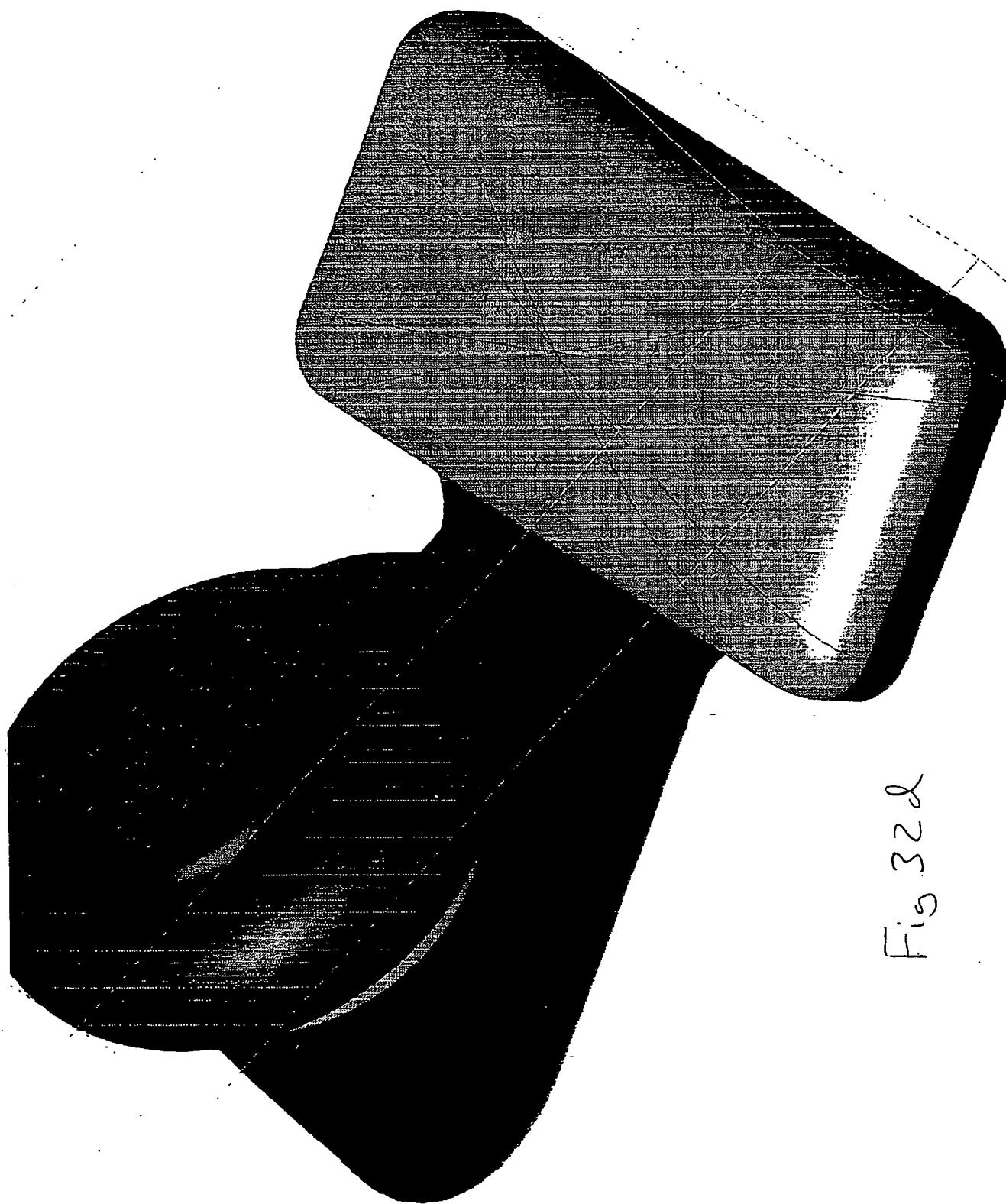


Fig 32d

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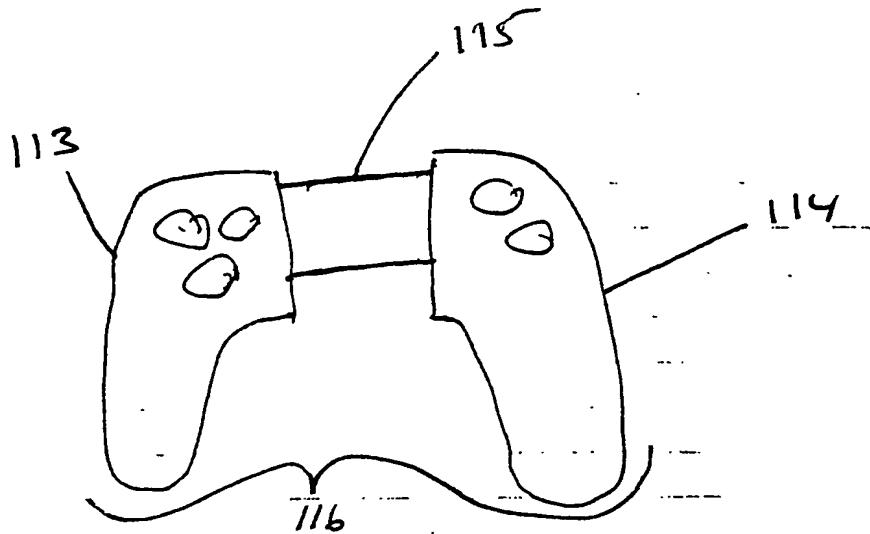


Fig 33

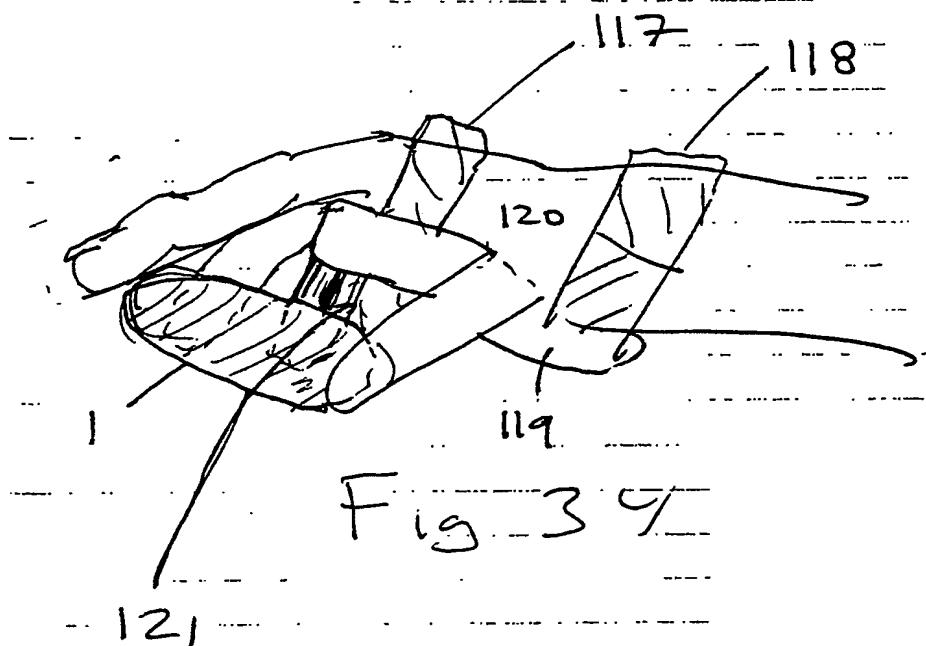


Fig 34

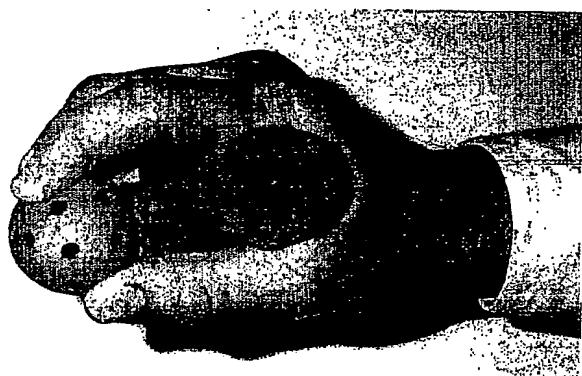
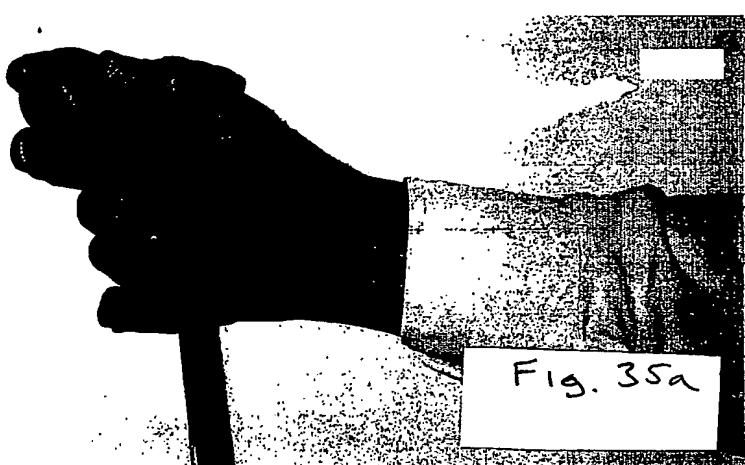


Fig. 35 b

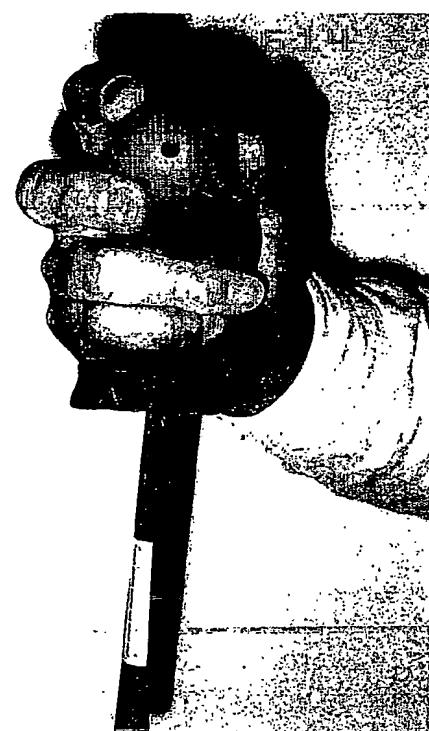


Fig. 35 c



Fig. 35 d



Fig. 35 e

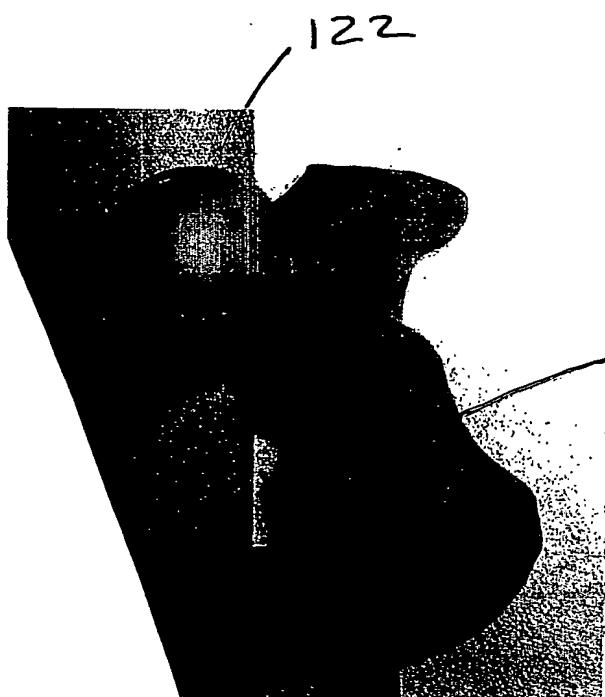


Fig. 35f



Fig. 35g

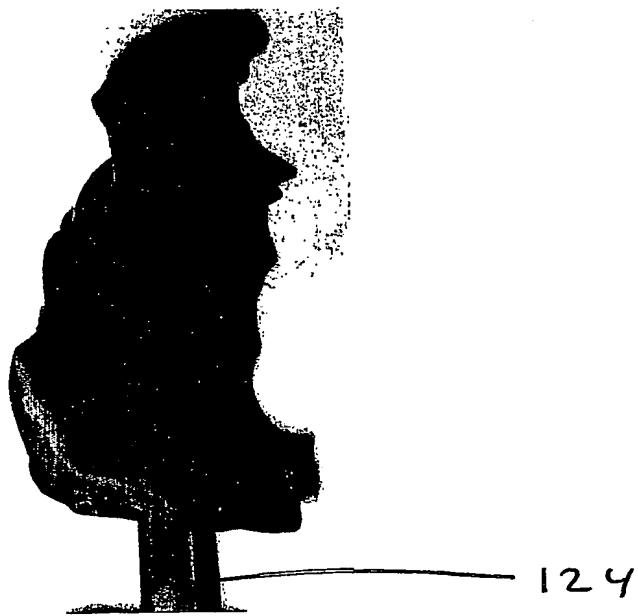


Fig. 35h

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Fig 36a



Fig 36b

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Fig. 37a

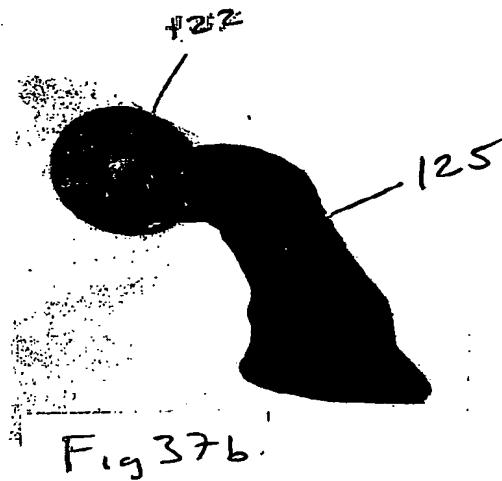


Fig. 37b



Fig. 38a



Fig. 38b

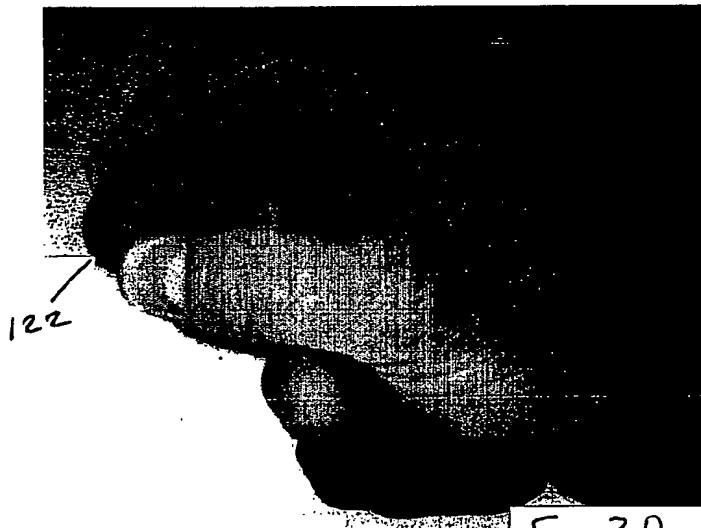


Fig. 38c

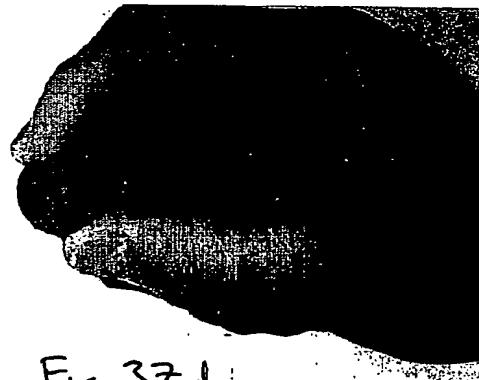


Fig. 37d

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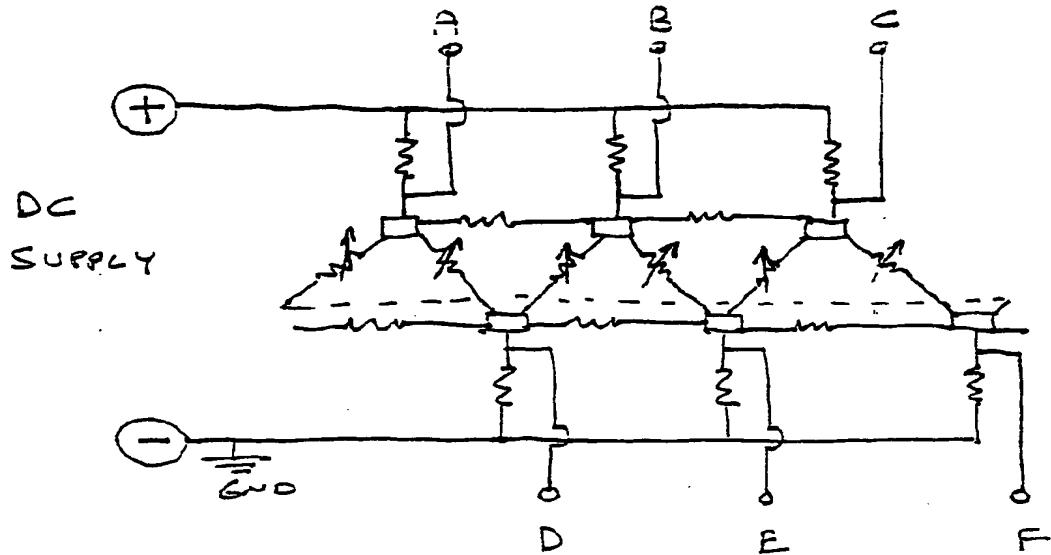


Fig 39

A, B, C, D, E, F, GND ARE CONNECTED TO
A/D CONVERTER CONNECTED TO COMPUTER.

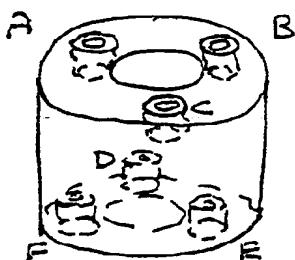


Fig 40a

ELASTOMERIC SENSING ELEMENT

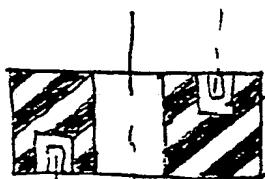


Fig 40b

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11/27/01

COMPRESSION SPRING

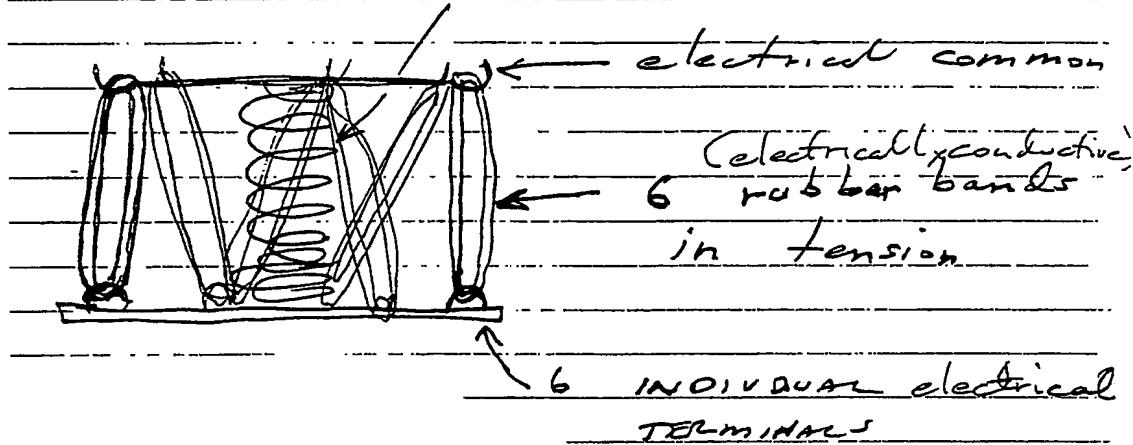
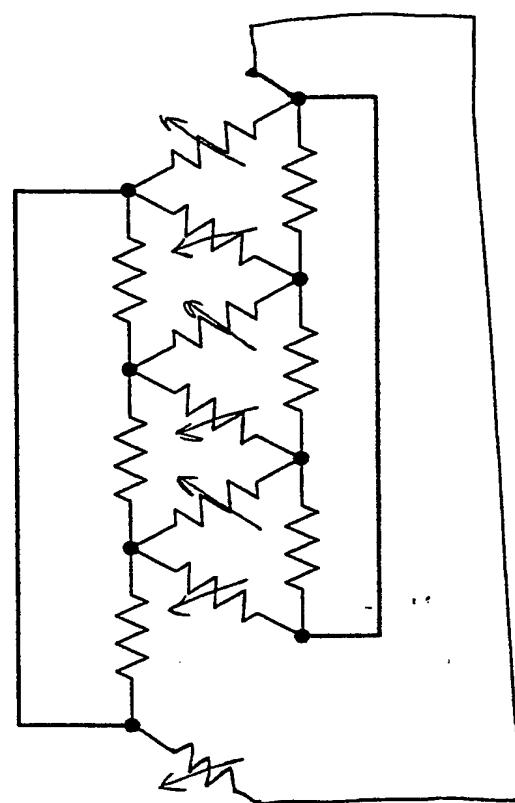
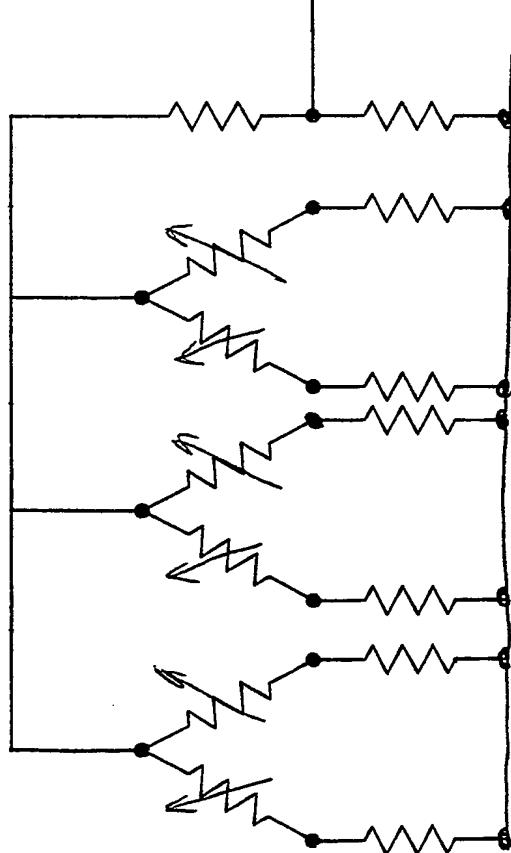


Fig 41

F_{1,2} 43F_{1,2} 42

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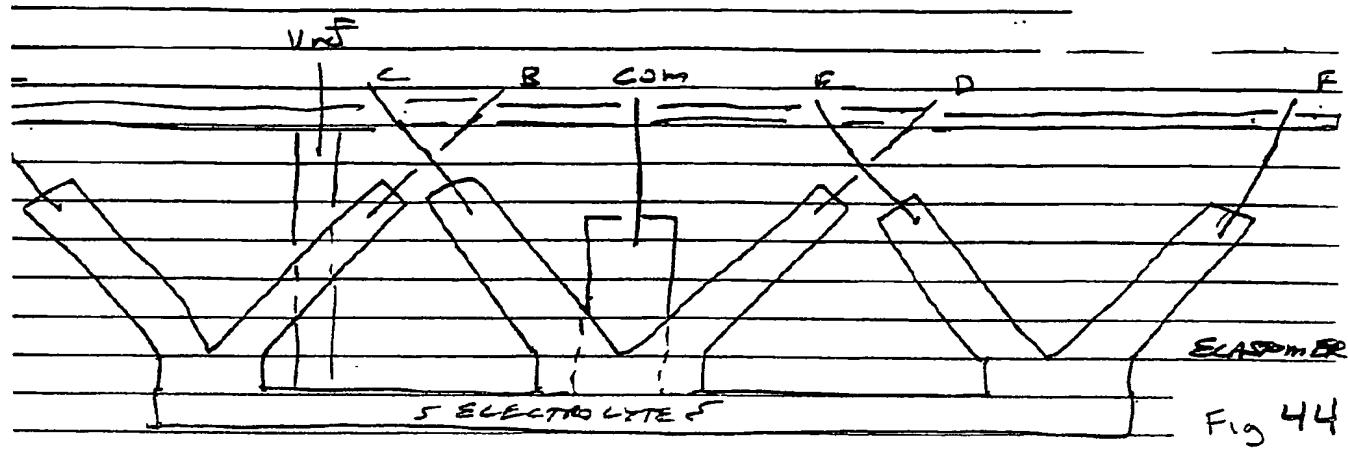


Fig. 44

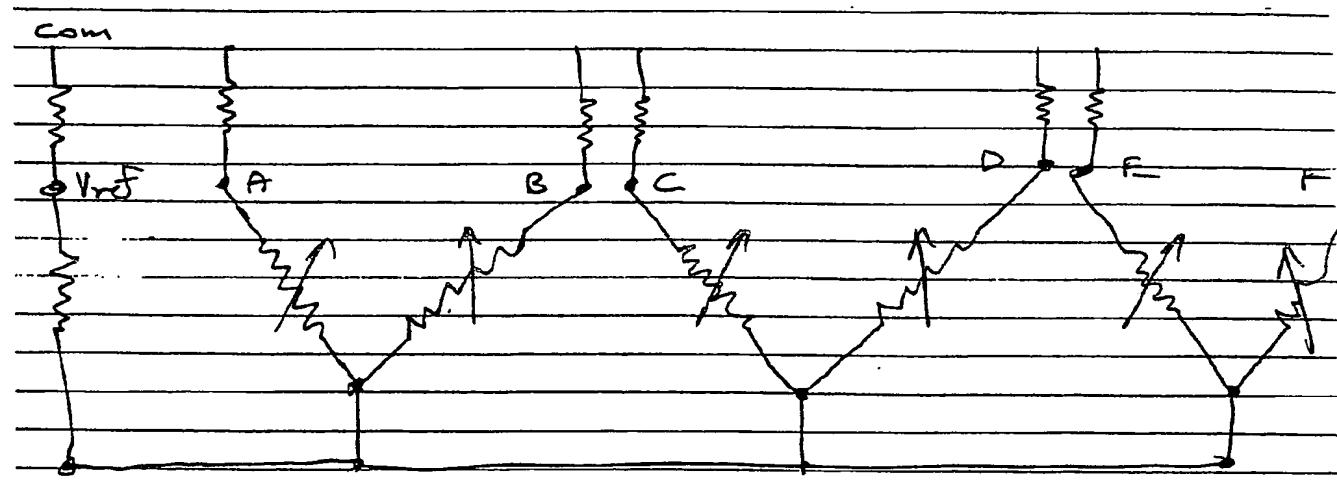
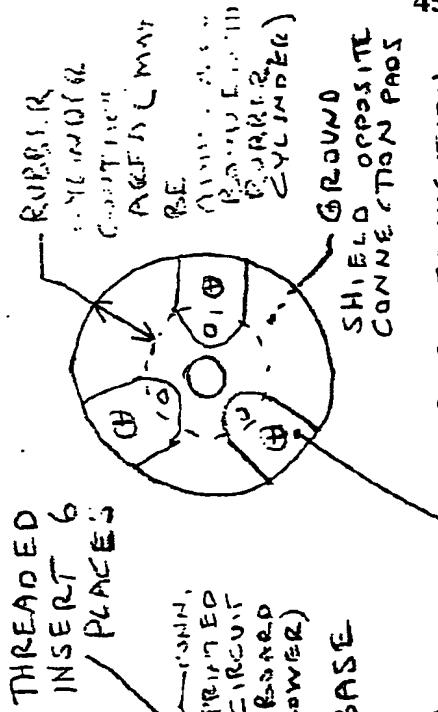


Fig. 45

BALL MOUNTING SCREW

BILLIARD BALL

ANTI ROTATION HOLES
3 PLACES

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GROUND
SHIELD OPPOSITE
CONNECTION POINTSCOPPER CONNECTION
PAD

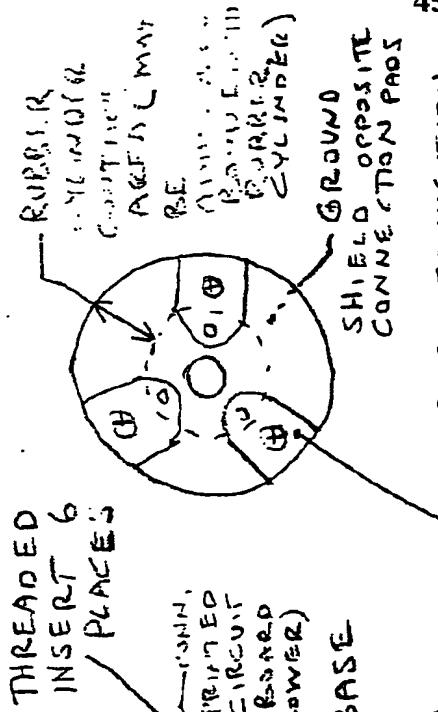
Fig 46

6 AXIS INPUT
DEVICEMOUNTING
SCREW
ASSEMBLY
3 PLACES
TO BASE

COPPER CONNECTION

PRINTED CIRCUIT
BOARD (TCP.)

Fig 48

CONNECT IN 6 PRINTED
CIRCUIT BOARDS(UPPER) WITH GROUND
SURFACE ON TOPANTI ROTATION HOLES
3 PLACES

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COPPER CONNECTION
PAD

Fig 46

6 AXIS INPUT
DEVICEPRINTED CIRCUIT
BOARD (TCP.)

Fig 48

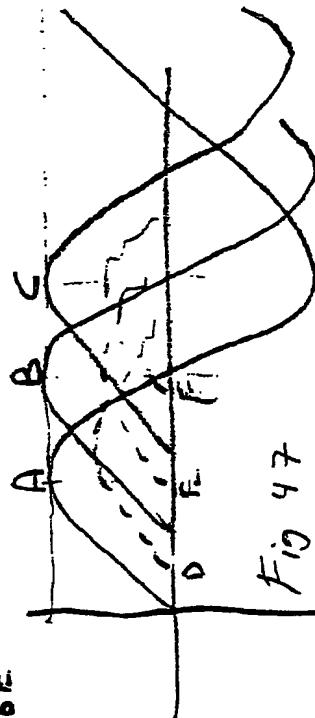
INPUT VOLTAGE
A, B, COUT PUT
SIGNA
D, E, F

Fig 47

VOLTAGES & PHASE
ANGLES A, B, C, D, E, F
ARE A FUNCTION OF
BALL POSITION &
ORIENTATION,

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Fig. 49a

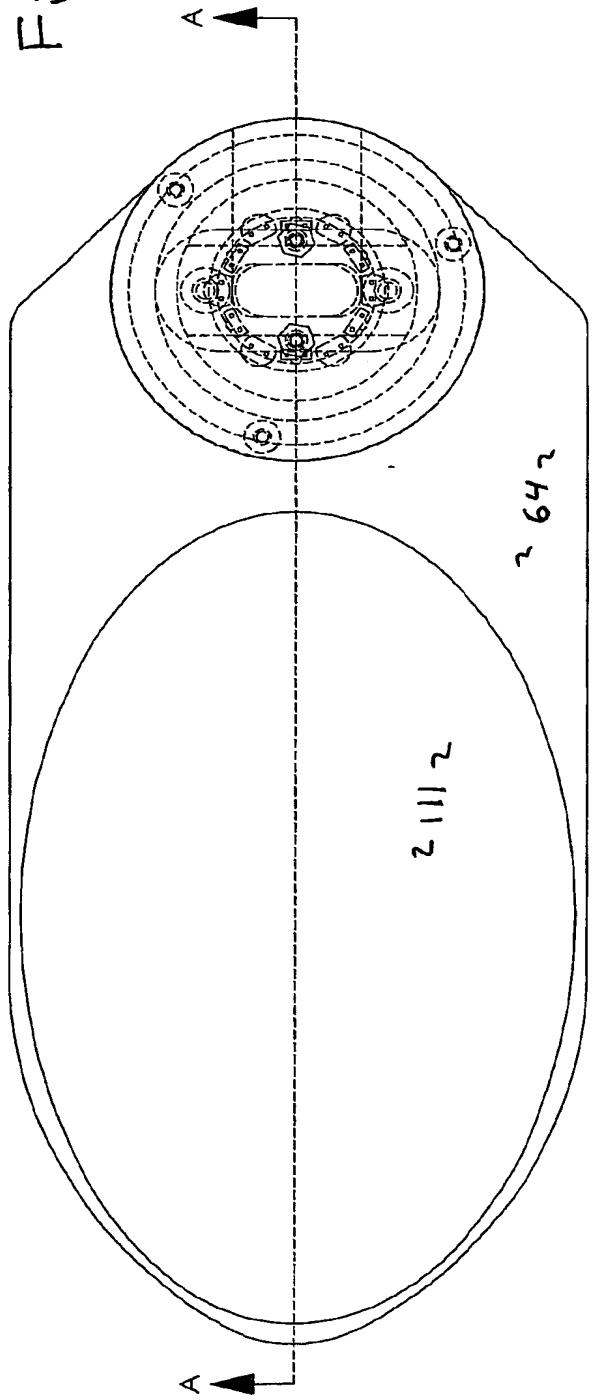
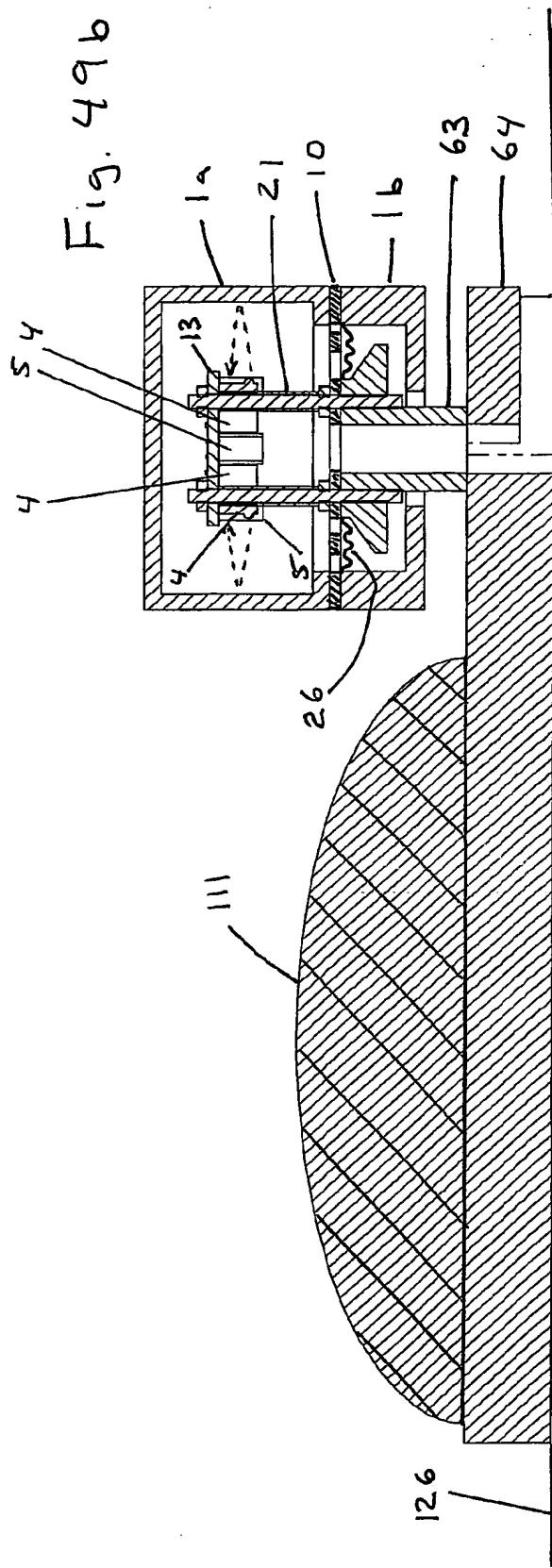


Fig. 49b



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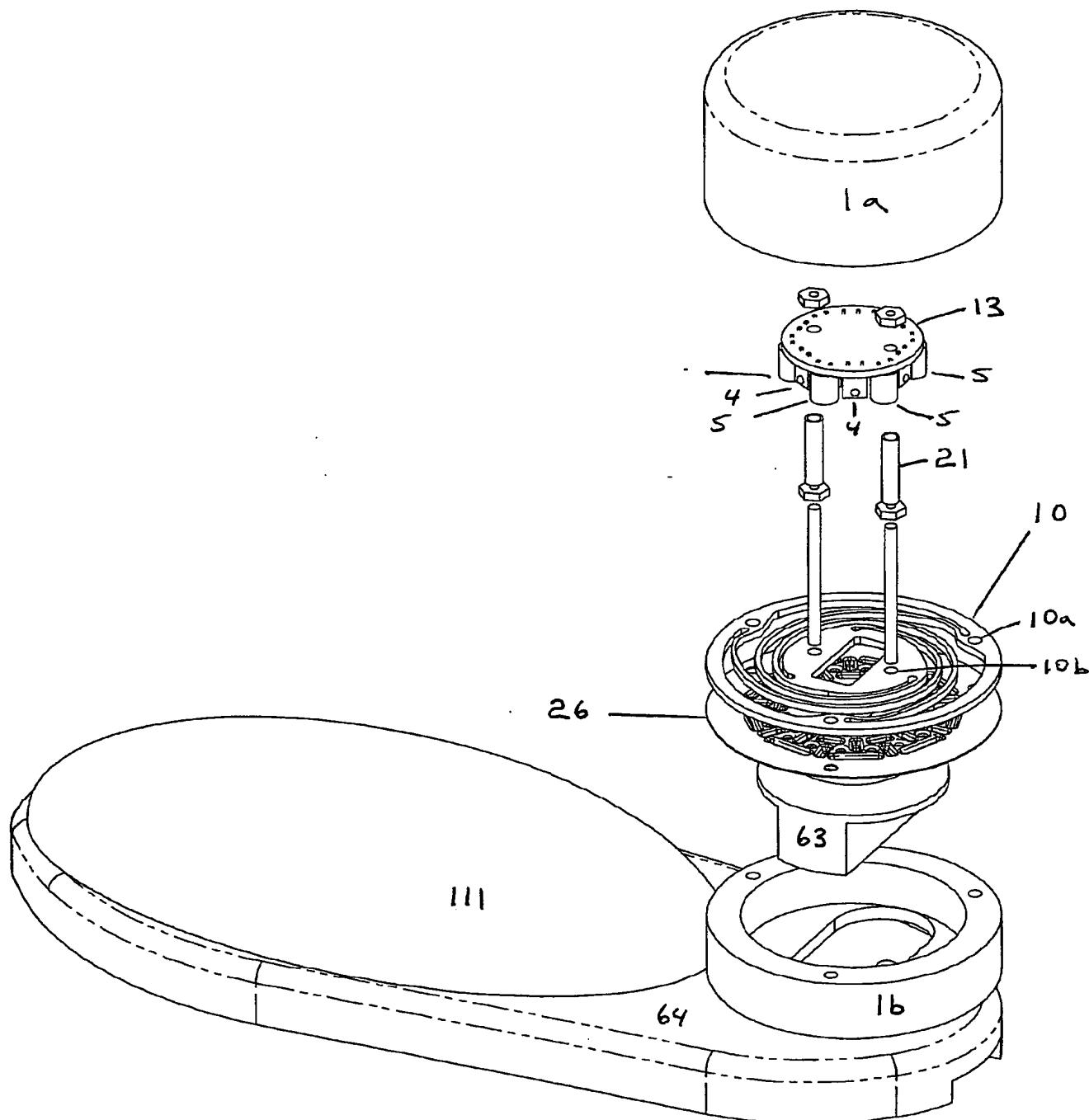
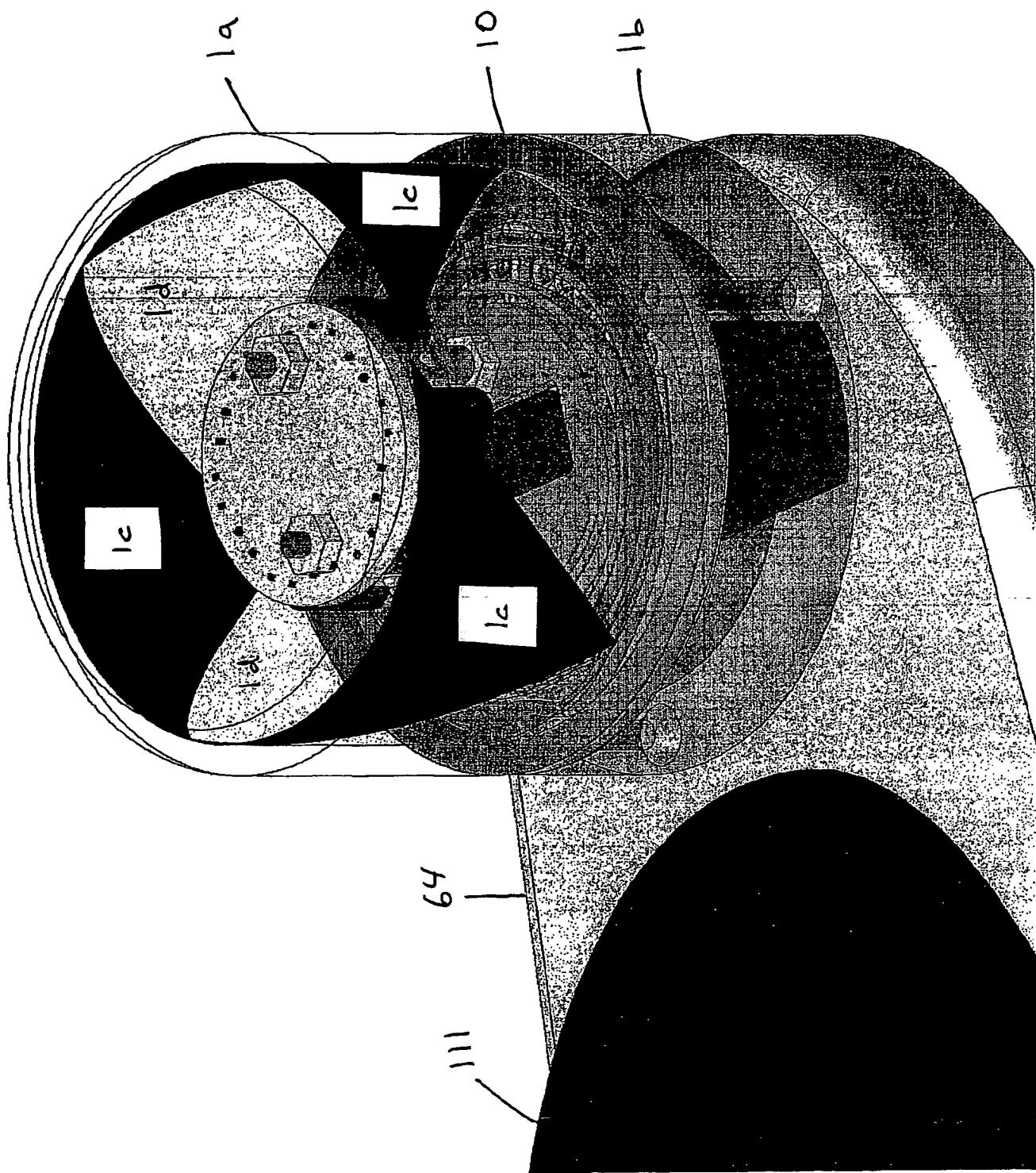


Fig 49c

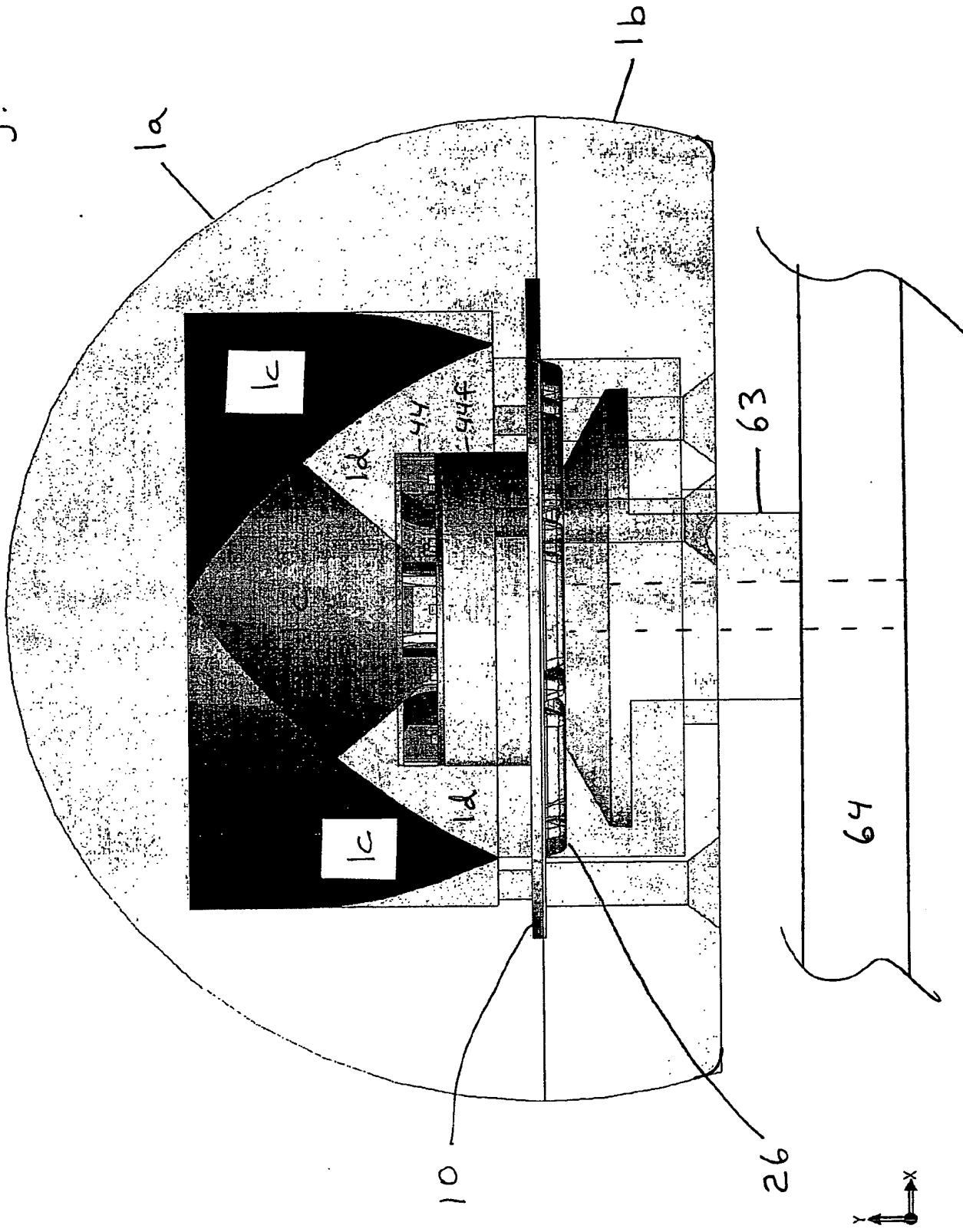
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Fig 49 d



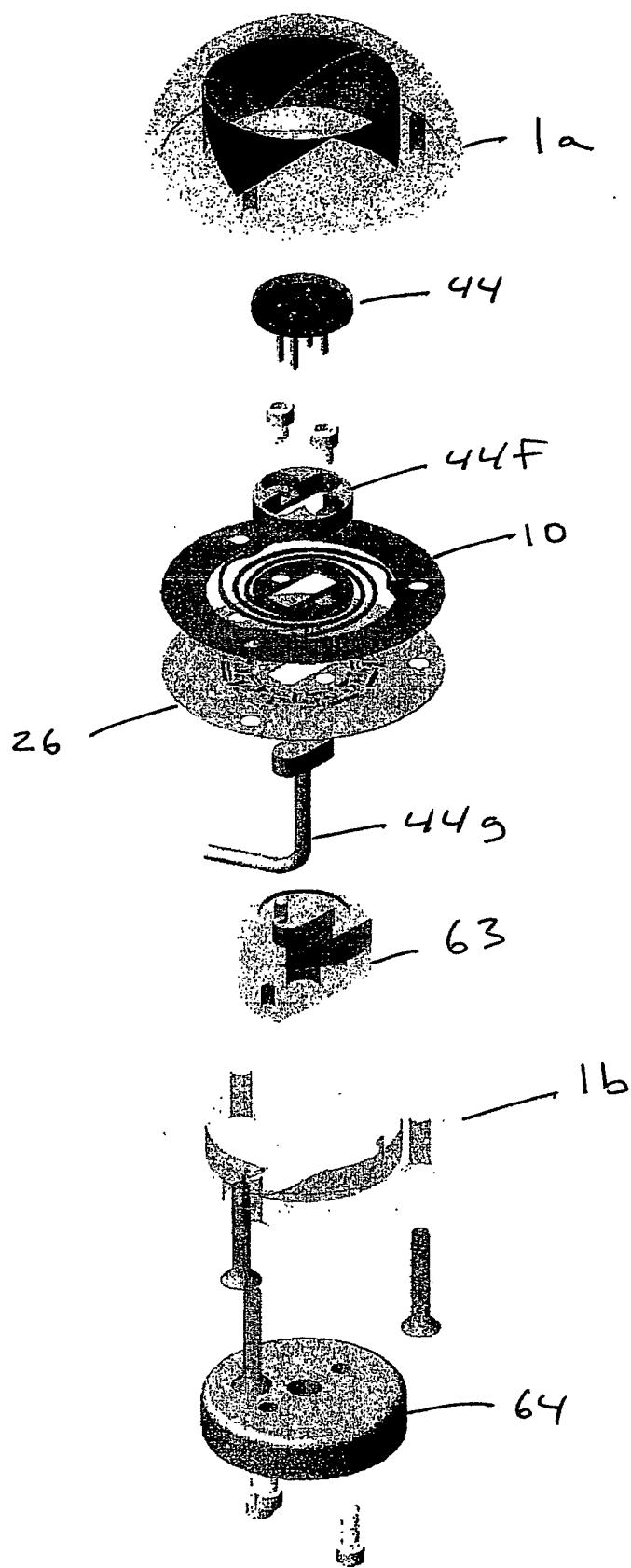
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Fig. 50a

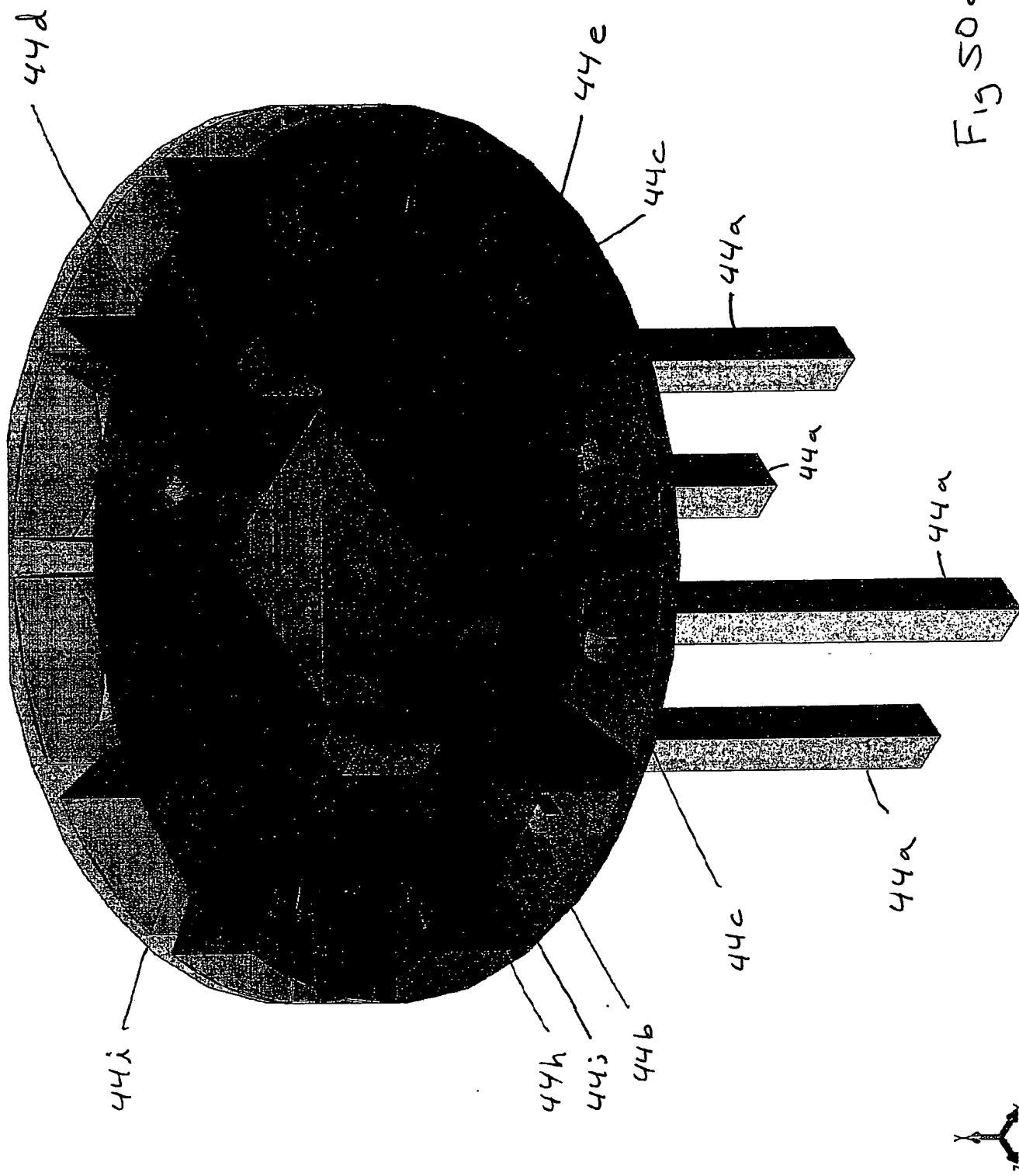


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Fig. 50b



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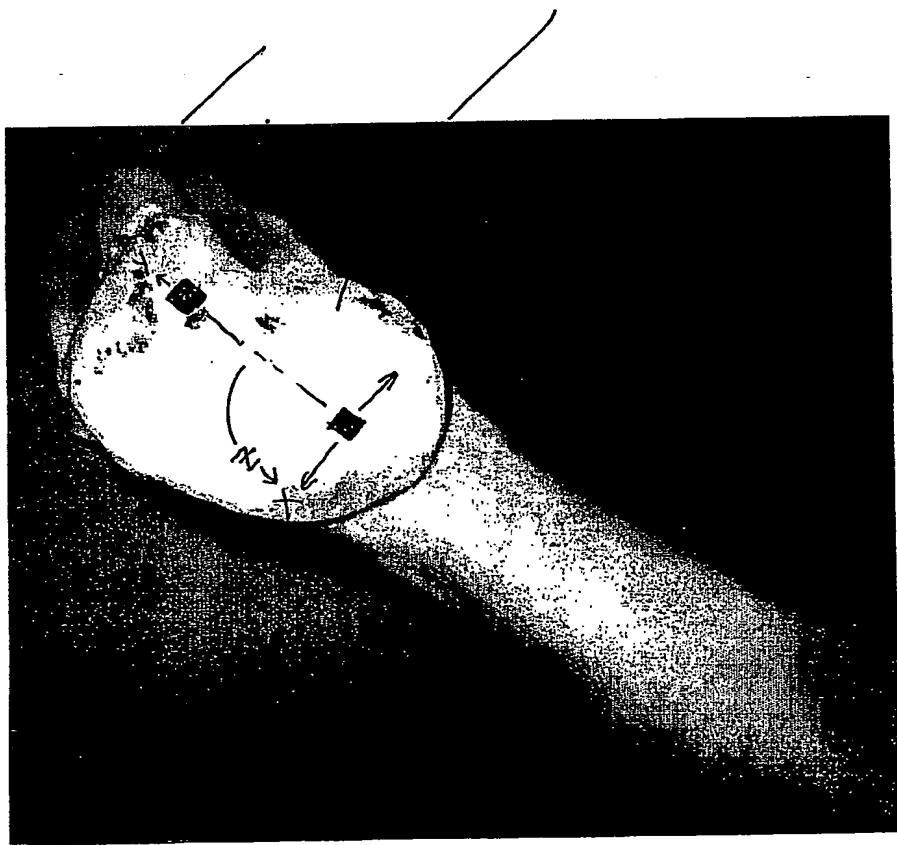
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Fig 51a



Fig 51b



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Fig. 51c

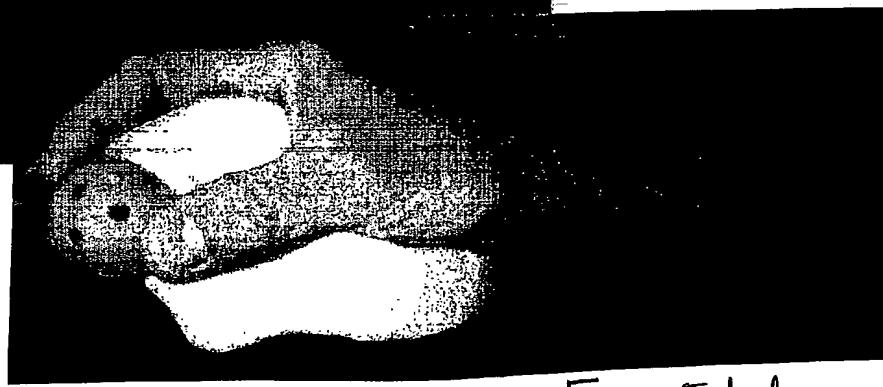


Fig. 51d



Fig. 51e



Fig. 51f



Fig. 51g

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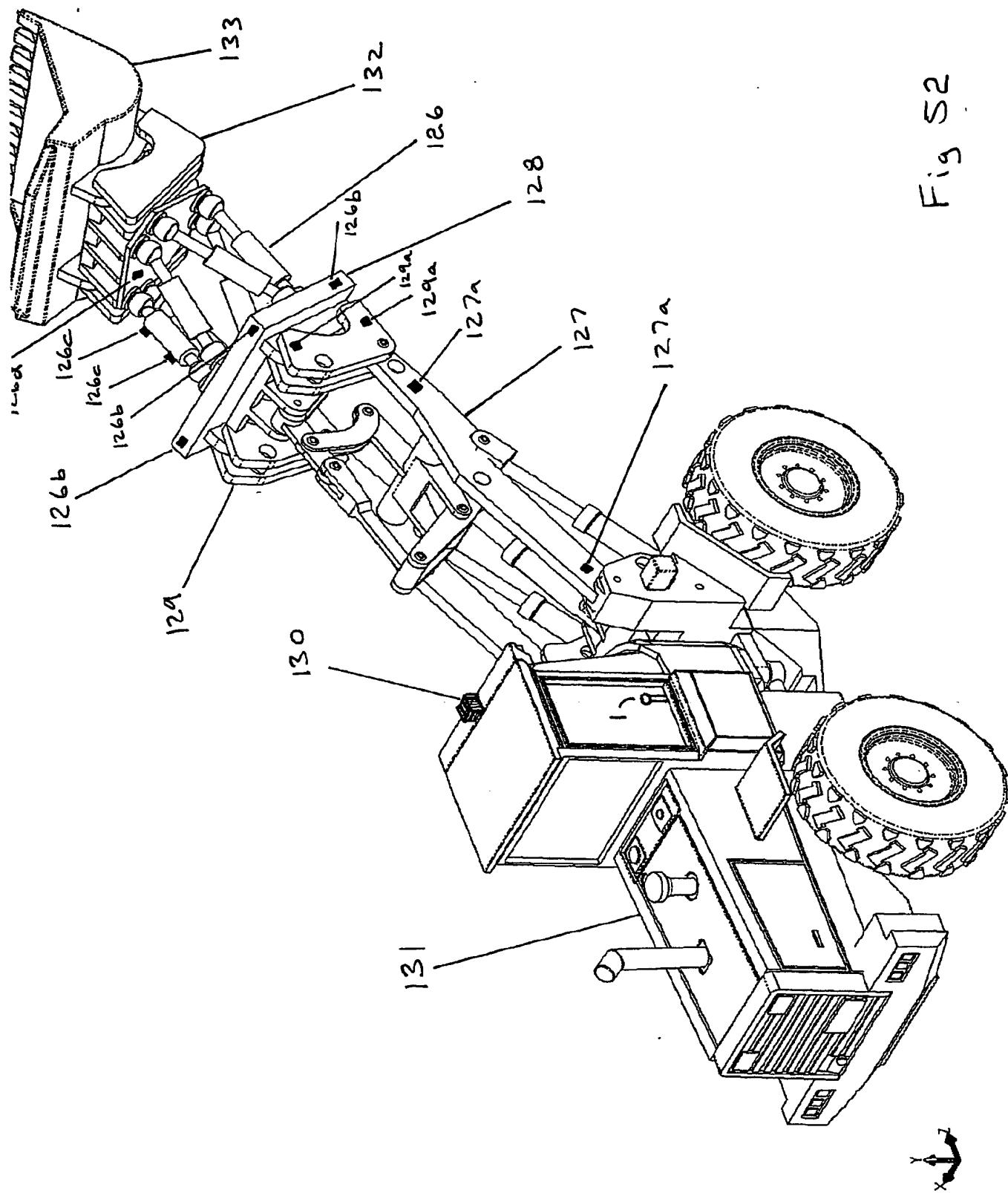
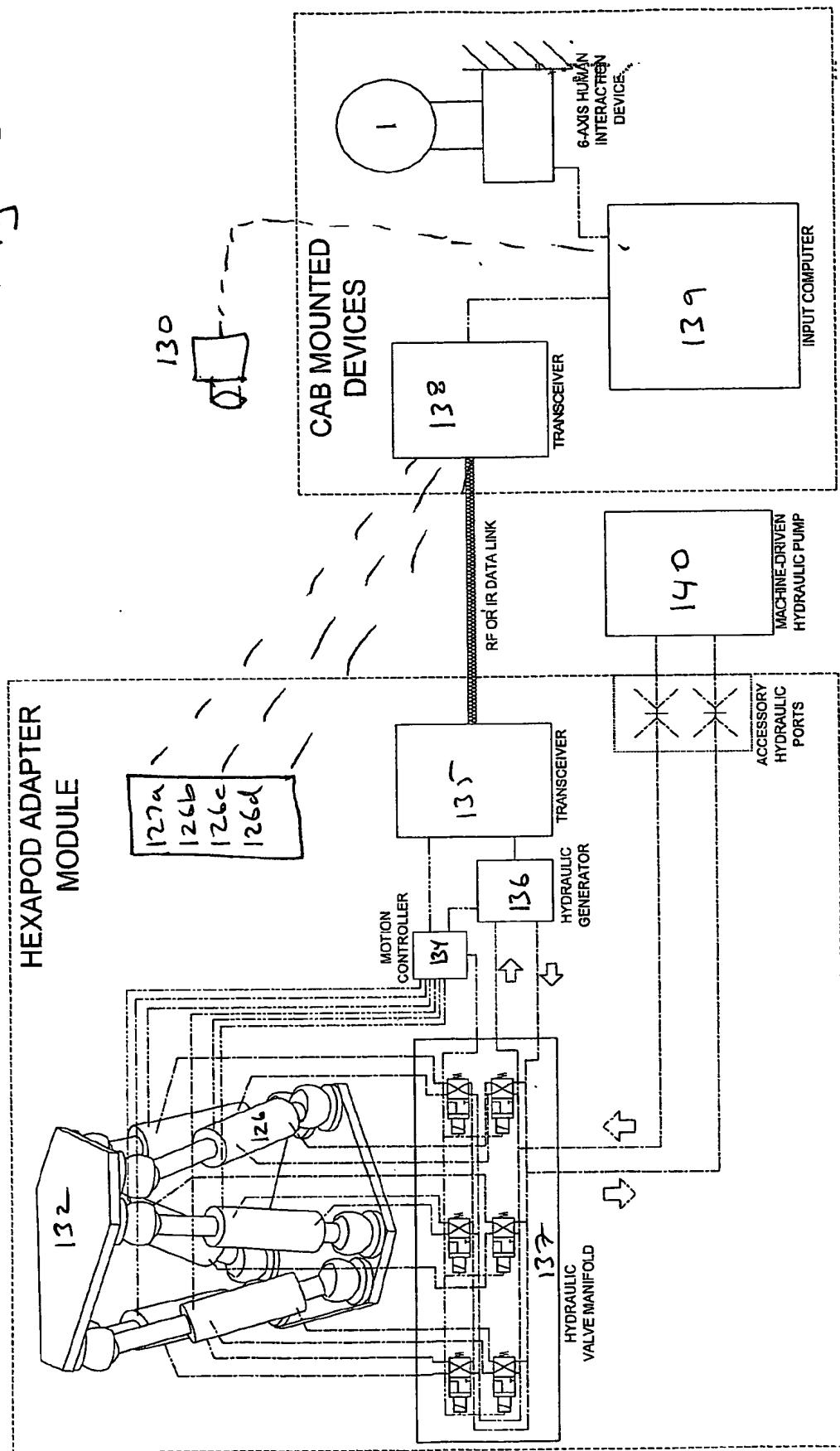


Fig 53



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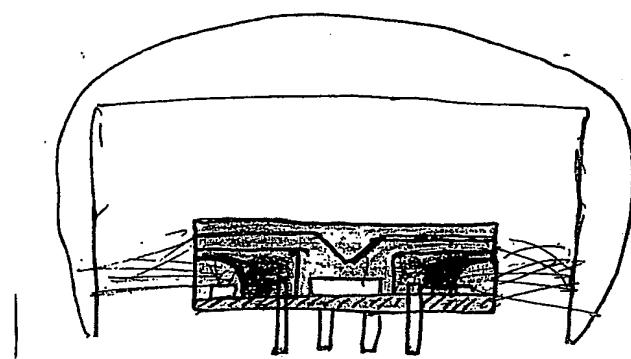


Fig 54a

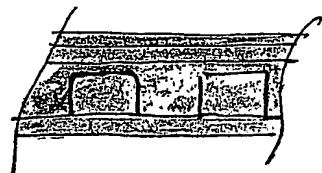
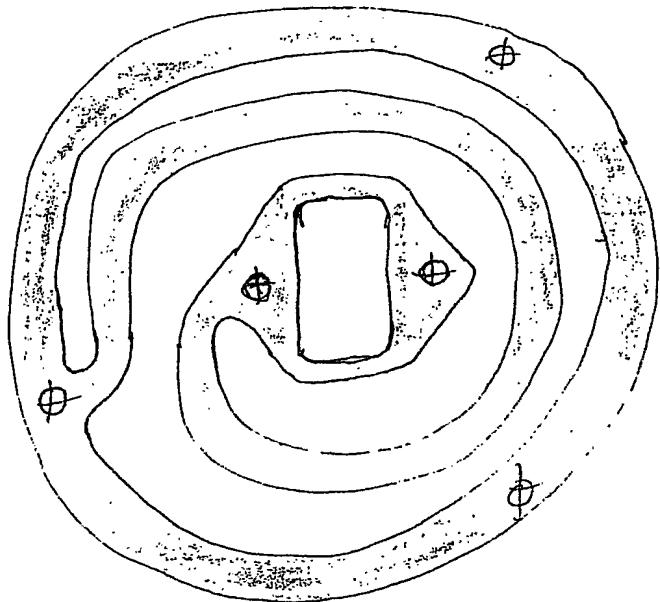


Fig 54b

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Fig 60



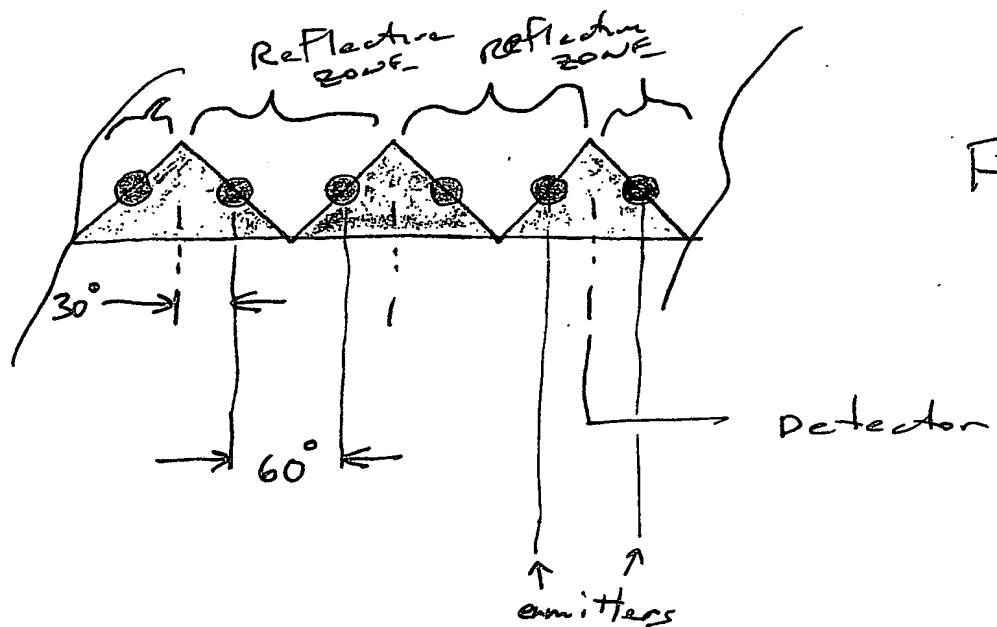


Fig 57

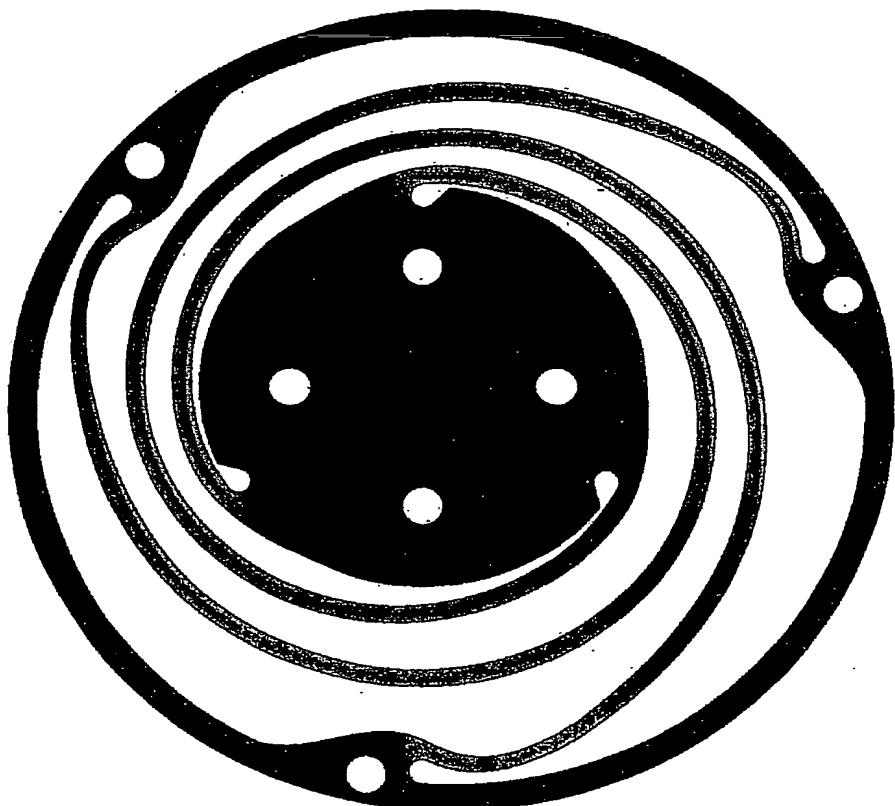
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1 $\angle \beta$
FORCE
RADIAL

-0.610
 $\angle 102^\circ$
X
-0.62 THREE
ELEMENT

Fig 58

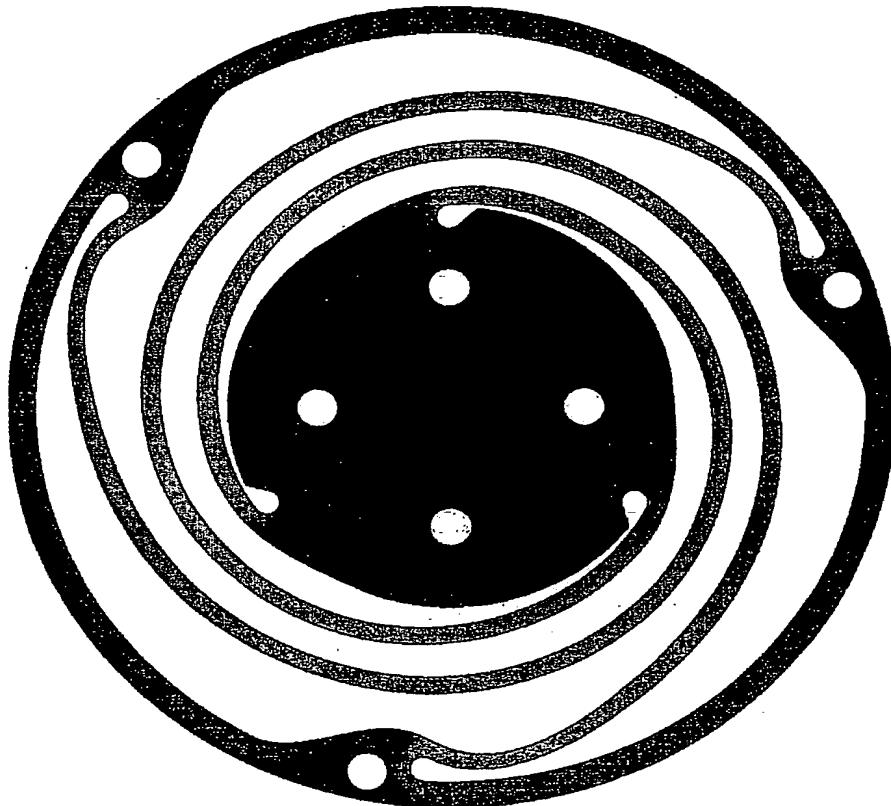
Von: Hesse
Betreff: 3D-Modell



1CB
AXIAL

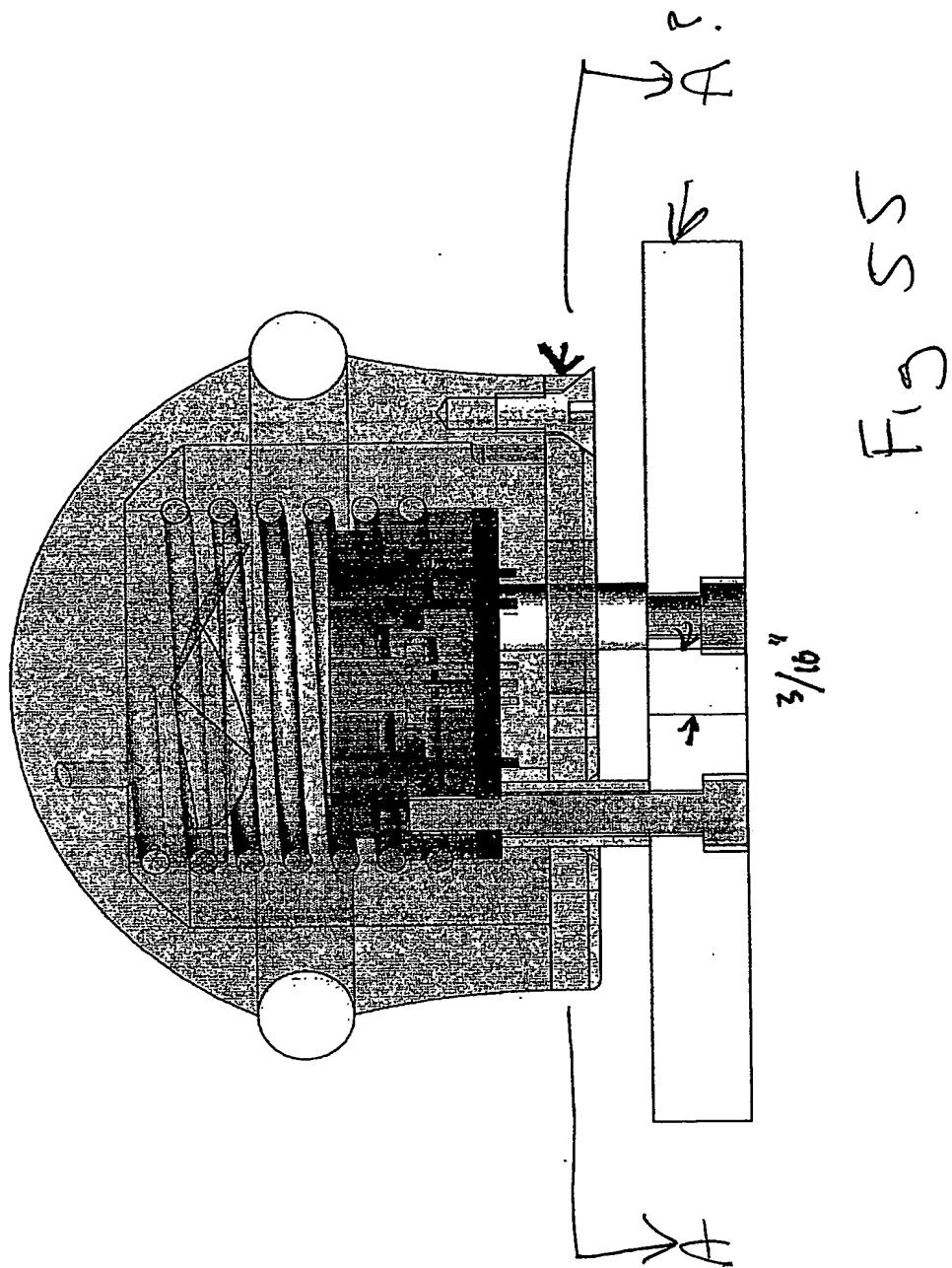
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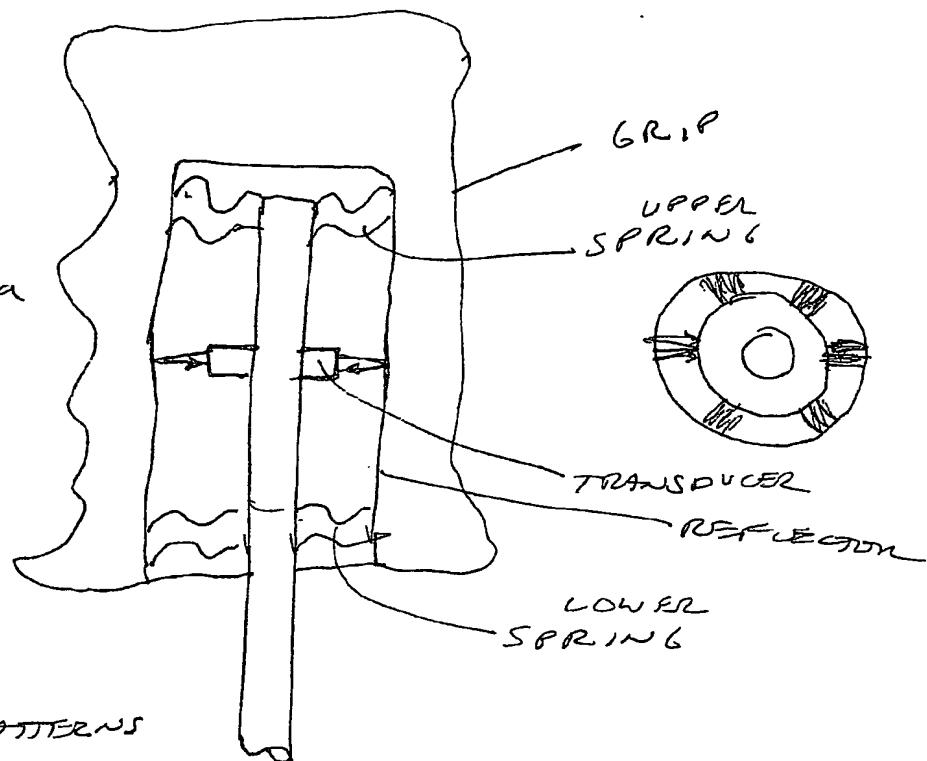
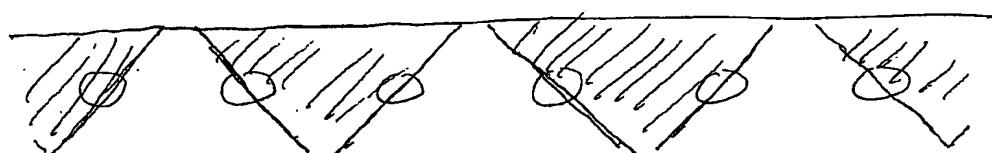
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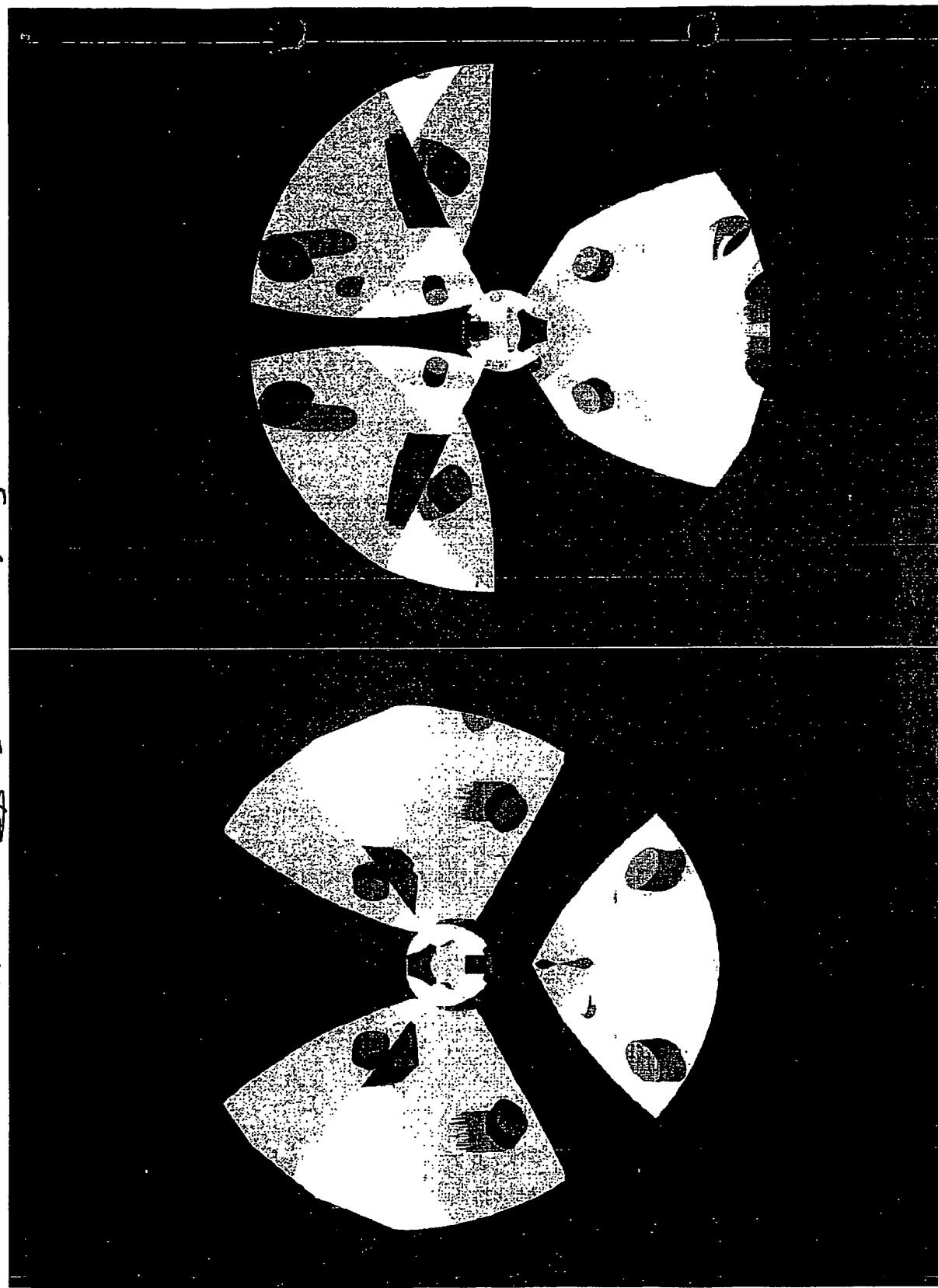
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Fig 56 a

ALTERNATIVE
REFLECTOR PATTERNSFig.
56 bFig
56 c



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